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## Smoke tester car

The Laser 8831 smoke machine is designed to produce smoke and deliver it in a controlled manner to various components, such as pipe work, to aid in identifying hard-to-find leaks. It's ideal for locating leaks in specific areas like inlet manifold pipe work, plenum tubes, turbo pipes, intercoolers & pipes, exhaust systems, EVAP systems, engine breather pipes and vehicle door seal\*. The machine comes with expandable bungs and rubber cones for easy sealing. It can be used with the Laser Turbo system tester set (Part No. 7981). For using on vehicle door seals, it's recommended to use outside the vehicle with heater fans on full inside the car. To generate smoke in a controlled manner to search for air & vacuum leaks, this product is supplied with built-in pressure gauge, adjustable pressure regulator and flow gauge to allow the system being tested to be pressurised where required. It's designed to be powered by 12V vehicle battery with a maximum draw of 5.5 amps. The maximum working pressure is 0-18psi, included are 2 inflatable bungs, 3 conical rubber bungs, bayonet style cooling system adaptor. The smoke machine generates smoke using smoke machine oil or commercially available baby oil. It's recommended to use in a well-ventilated area. Price: £333.08 ex VAT £399.70 inc VAT Given article text here The kit is a nice touch and allows you to test components without hassle or repositioning. It's almost perfect, except for the lack of included smoke fluid and storage case, which would've made it even more convenient. Despite this, it genuinely performs well and is better than other similar products that cost more. Just order some fluid and a storage case separately, and you're all set. MRCARTOOL aims to help car owners diagnose issues efficiently and at an affordable price. They have a professional R&D team and manufacturing plant, constantly exploring and advancing in automotive diagnostics. The kit is just one example of their successful products, which include smoke machines, fuel injector cleaners, and more. The Motorsport Images Collections showcases motorsports history from 1895 to the present day. Explore their curated galleries for compelling stories and stunning visuals. What is a car smoke test? It's a method used to detect leaks in your car's vacuum systems. The test involves infusing smoke into the system, which then escapes through any holes or pipes, indicating where the leak is located. A smoke leak test for cars is a diagnostic procedure used to detect air and gas leaks under the hood of a vehicle. The test examines the vacuum systems, including the intake manifold, evaporative emission system, and exhaust system, to identify any potential leaks. By filling these hollow parts with smoke and inspecting where it escapes, mechanics can pinpoint the source of a leak, which can compromise engine performance and affect the car's drivability. Common signs of an air leak include hesitation when starting, poor acceleration, or reduced engine power. A professional smoke leak test typically costs around \$89.99, although the cost of a smoke machine itself can range from \$150 to \$800. It is essential to address even small leaks, as they can quickly escalate and cause issues with the Check Engine light turning on. Conducting a smoke leak test when you suspect a leak in your car's vacuum systems can help prevent accidents and ensure safe driving. Having a smoke machine is crucial for pinpointing issues with a vehicle, particularly when it comes to preventing serious damage due to owner neglect. When there are related problems within a car's system, the Check Engine light will illuminate immediately upon starting the engine, indicating that something is amiss. Moreover, unusual acceleration or whistling sounds can signify potential leaks somewhere in the system. A smoke leak test can clear up these uncertainties and prevent costly damage to your vehicle. To perform this test, you'll need a smoke testing machine, which most car repair services and garages have as a standard tool. However, diagnosing gas and air leaks requires specialized skills and experience, making it a job best left to professionals. A typical smoke leak test uses artificial smoke injected into the car's vacuum systems with minor pressure. If you see smoke visibly escaping from one of these systems, it likely indicates a leak is present. Most car services use gray smoke for easier visibility, but mechanics may opt for other colors depending on their preference. Check your manifold for leaks with these simple steps: First, start by testing the vacuum system that matches the one you're using. Begin at the inlet and work your way down to the throttle body, either through the air filter or cleaner. Next, attach the smoke machine's nozzle to the appropriate part of the manifold. A good spot is near the large-diameter hose that leads to the brake booster. To seal any openings, wrap the air filter or cleaner in plastic wrap or plug the circular rubber duct nearby. After completing the test, make sure to undo whatever you plugged earlier, as failure to do so can prevent your vehicle from starting. Press the smoke button on the machine and let it run for a few minutes. If smoke appears at the oil-fill port, there might be an issue with the crankcase vent system. Check your owner's manual or use another method to test vacuum levels in that area. Be aware that air can sneak into the exhaust system through cracks or damaged gaskets, causing problems for oxygen sensors. To identify this, fill the exhaust with smoke and note how it behaves. It may not be noticeable, but a leak could still affect your vehicle's performance. A thorough smoke test typically takes 30 to 60 minutes, depending on the complexity of the system. If multiple leaks are found during testing, have them repaired as soon as possible for safety reasons. 1. Noticing unusual engine behavior while the car is running, such as sluggish acceleration, excessive idling speed, or loss of power. 2. Engine light stays on while driving, indicating a potential issue. 3. Difficulty accelerating, feeling like the car is slow to respond. 4. Idling speed that's faster than normal. 5. Reduced engine power, where the car no longer accelerates as before. 6. Decreased fuel efficiency, noticing increased fuel consumption with the same mileage traveled. 7. Presence of old, cracked, or damaged vacuum lines or hoses, which can lead to air and gas leaks that put your safety at risk. If you spot any of these signs while driving, take your car to a mechanic for inspection and repair. To prevent vacuum leaks, perform regular check-ups on the car's vacuum lines, as they're difficult to detect. Replace damaged hoses before they develop cracks or leaks. A smoke leak test is used to diagnose leaks in a car's vacuum system by pumping smoke into the pipes and identifying any holes where it escapes. This test typically costs \$89.99, although DIY smoke machines range from \$150 to \$800.