



SEALEY TA131 Relay Tester Instructions

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TA131 Relay Tester
Instructions Manual

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble-free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT IS CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to
instructions



Wear eye
protection



Electrical shock
hazard

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SAFETY

- The warnings cautions and instructions referred to in this manual cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors that cannot be built into this product but must be applied by the operator.
- **WARNING! USE EXTREME CAUTION** when working with high voltages. **IF IN ANY DOUBT CONSULT A QUALIFIED ELECTRICIAN.**
- **WARNING!** Engines produce carbon monoxide which is odorless and causes a slower reaction time which could lead to serious injury. An engine that is operating should be in a well-ventilated area, or the vehicle's exhaust should be connected to an adequate fume removal system.
- **DO NOT** use the relay tester if it has been damaged.
- **DO NOT** use the relay tester when hands are wet.
- Familiarise yourself with the fuses and relays layout, normally shown on the fuse and relay housing cover or the vehicle manual.
- Switch off the ignition and remove the ignition key when removing and replacing fuses.
- Always renew a fuse with the identical fuse and rating, never use one with a different rating or substitute anything else.
- Switch off the ignition and remove the ignition key when removing and replacing relays.
- Always renew a relay with an identical relay, never use one that is similar, which may perform different functions.
- Familiarise yourself with the application and limitations of the relay tester.
- When working on a vehicle that is being tested or repaired ensure that the handbrake is on and the front wheels are chocked to avoid the vehicle moving and causing injury.
- Wear suitable eye protection when testing or repairing a vehicle.
- Select the relay to be tested and follow the instructions before commencing testing.
- Always take care when working with voltages above 35V DC. These voltages are considered a shock hazard.
- If any abnormal results occur, the relay tester must be checked out by an authorized technician.
- When not in use, store the relay tester carefully in a safe, dry, childproof location out of direct sunlight. Storage temperature range: -15°C to +50°C.

INTRODUCTION

Health tests for 4 and 5-pin electro-mechanical relays are commonly found on modern vehicles. The test feature will cycle the relay ten times, testing the resistance, contacts, and consistency within each cycle. If a cycle fails on the test then this will be indicated by a red led and alternatively, a green led if the relay works. Supplied in a zipped

pouch.



SPECIFICATION

Model Number:**Ta131**
Relay configuration:4 pin/5 pin
Supply voltage: 12VdC (vehicle battery)
Flying lead length: 1400mm
Tester module size (l x W x d): 130mm x 70mm x 35mm
Battery connection: Insulated crocodile clips
Weight: 245g

OPERATION

Note! This procedure applies only to electromechanical relays.

sourcing the faulty relay (solenoid).

Read these instructions in conjunction with the automobile manufacturer manual to establish the proximity and function of relays and fuses.

Remove the suspect relay and check the connections for any signs of overheating or of corrosion. If there appears to be any damage, replace with an identical brand-new relay.

If there is no apparent damage the function can be checked with the relay tester.

Testing relay function

With the ignition switch off connect the red crocodile clip of the relay tester to the positive terminal of the vehicle battery.

Connect the black crocodile clip to the negative terminal of the vehicle battery.

Select either a 4Pin socket or a 5Pin socket with the selector switch on the relay tester.

Plug in the relay to be tested and press the test button.

The test feature will cycle the relay ten times, testing the resistance, contacts, and consistency within each cycle.

If a cycle fails on the test then this will be indicated by a red led or alternatively, a green led if the relay works.

If the relay fails replace it with an identical brand-new relay.

MAINTENANCE

WaRNING! DO NOT attempt to repair or service unless you are qualified to do so and have the relevant calibration, performance test, and service information. To avoid electrical shock or damage to the tester do not get water inside the case.

Periodically wipe the casing and flying leads with a damp cloth and mild detergent. **DO NOT** use solvents.

After each use wipes clean the crocodile clips with a lightly oiled cloth.

DO NOT store in a place of high humidity or high temperature.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories, and packaging should be sorted, taken to a recycling center, and disposed of in a manner that is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



WEEE REGULATIONS

dispose of this product at the end of its working life in compliance with the EU directive on Waste electrical and electronic equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications, and component parts without prior notice.

Important: no liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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Documents / Resources

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References

- [Sealey - Leading Professional Tool & Workshop Equipment Supplier](#)