SEALEY Professional TOOLS AUTO SERVICE LINE

INSTRUCTIONS FOR:

THROTTLE POTENTIOMETER TESTER
Model No: VS215

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, AND CAUTIONS. USE THIS PRODUCT CORRECTLY, AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE, OR PERSONAL INJURY, AND WILL INVALIDATE THE WARRANTY.

1. SAFETY INSTRUCTIONS

✓ Observe standard workshop safety procedures when using the VS215.
▲ ***DANGER! - Beware, lead-acid batteries generate explosive gases during normal battery operation.***
✓ Keep the work area clean, uncluttered and ensure there is adequate lighting. Keep tools and other items away from the engine, and ensure you can see the battery and working parts of engine clearly.
✓ If the battery terminals are corroded or dirty, clean them before attaching the VS215 clips.
✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery. Contain, or tie back, long hair.
✓ Keep children and unauthorised persons away from the working area.
❐ **WARNING!** DO NOT use VS215 on any vehicles other than those with12Volt DC systems.
✗ DO NOT dis-assemble VS215. The VS215 must be checked by qualified service personnel only.
✗ DO NOT get VS215 wet or use in damp or wet locations or areas where there is condensation.
✗ DO NOT use the VS215 for any purpose other than for which it is designed.
✗ DO NOT pull the cables or clips from the battery terminals.
✗ DO NOT operate the VS215 if damaged.
✓ When not in use store VS215 in a safe, dry, childproof location.

2. INTRODUCTION

Fast diagnosis of a common electronic fault. Simple to use digital meter indicates throttle position sensor output voltage. Connect to battery terminals and sensor signal wire and digital display will show output voltage as a percentage. Supplied in foam lined storage case.

3. OPERATION

3.1 Battery Connection.
Note: Check the battery is 12VDC. Do Not use with a 24V battery.
3.1.1 Ensure the battery terminals are clean, if necessary clean away any corrosion.
3.1.2 Clip the red (+) crocodile clip to the red (+) terminal post on the battery.
3.1.3 Clip the black (-) crocodile clip to the black (-) terminal post on the battery.
3.1.4 The unit should read 0%.

3.2 Test Clip Connection.
3.2.1 Connect the test clip to the throttle potentiometer output signal wire.
Note: Refer to the owner's handbook to ensure the correct wire is selected.
3.2.2 With the ignition ON, move the throttle slowly from idle to full throttle, the reading should vary from about 10% to 90%. The reading should track the throttle position smoothly and evenly, with no jumping or erratic display, which would indicate a faulty sensor.
3.2.3 Connecting the test clip to the sensor ground lead should give a reading of 0%.
Connecting the test clip to the sensor 5V supply lead should give a reading of about 100%
Note: Connecting the test clip to any line that has a voltage greater than approx. 5.5V will show 'error' on the display.

SEALEY Professional TOOLS AUTO SERVICE LINE
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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 product.
WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.
INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.

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