


TEST REPORT: Retractable Steps

Report/Job Number: VSK214294

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TEST DETAILS	
Subject	Retractable Steps
EC Directive	2001/85/EEC
ECE Regulation	Regulation 107.02
Location of Test	AVS Steps Unit 1 Offices 5, 6 and 7 Mereseide Industrial Park Fenns Bank Whitchurch Shropshire SY13 3PA United Kingdom.
Date of Test	27 January 2010
VCA Representative	Richard Pegg
Manufacturer's Representative	Shaun Connolly
Reason for Test	New Approval

MANUFACTURER DETAILS	
Manufacturer's Name	AVS Steps
Manufacturer's Address	Unit 1 Offices 5, 6 and 7 Mereseide Industrial Park Fenns Bank Whitchurch Shropshire SY13 3PA United Kingdom
Model Type & description	AVS SK 600 Range
Category	Separate Technical Unit

CONCLUSION	
	The above mentioned vehicle was tested in accordance with Paragraph 7.6.10.9 of EC Directive 2001/85/EEC or 7.6.10.9 of Regulation 107.02 and was found to comply in all respects
	Signature: 
	Name: Richard Pegg Position: Test Engineer Date: 28 January 2010

LIST OF ANNEXES

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<i>Paragraph</i>	<i>Parameter</i>	<i>Complies</i>
ANNEX	No of PAGES	SUBJECT
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TEST SPECIFICATION/WORST CASE RATIONALE:

AVS SK600 Manual step Mounted as a separate Technical unit to a test rig by means of two M6 fastenings at the front of the step and two M8 universal struts bars to the rear of the step. The test involved pressing the step via a calibrated load cell with a 100mm diameter disc at the centre of the extended step at a force of 136 kgs and measuring the deflection

As the SK Manual and Electric are identical in construction it was deemed that the Manual step was worst case as 4.3 mm of deflection already exists in the locking mechanism. This report therefore covers both the manual and electric versions.

7.6.10.9	When the passenger door is open, the retractable step shall be securely held in the extended position. When a mass of 136 kg is placed in the centre of a single step or a mass of 272 kg is placed in the centre of a double step the deflection at any point on the step, measured relative to the body of vehicle, shall not exceed 10 mm.	YES
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Result: Maximum Deflection Measured = 7.65 mm total deflection including 4.3mm deflection measured in locking mechanism.

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<i>Paragraph</i>	<i>Parameter</i>	<i>Complies</i>
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INSTRUMENTATION

Load Cell	Calibration Cert MLS5621 Valid until 09/06/2010
Display	Calibration Cert MLS5621 Valid until 09/06/2010
Mechanical Dial Gauge	