


**TEST REPORT:    Retractable Steps**

**Report/Job Number: VSK214294**

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<b>TEST DETAILS</b>	
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	27/01/2010
VCA Representative	Richard Pegg
Manufacturer's Representative	Shaun Connolly
Reason for Test	New Approval

<b>MANUFACTURER DETAILS</b>	
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 EXE Range, 550, 600 and 700
Category	Separate Technical Unit

<b>CONCLUSION</b>	
	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**

**TEST REPORT: Retractable Steps**

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

AVS EXE 1000 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 272 kgs and measuring the deflection

As the widest EXE 1000 step was used for test, this report also covers EXE 900 model.

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 = 7.7 mm

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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	

