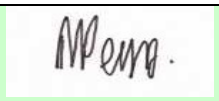
TEST REPORT: LARGE BUS CONSTRUCTION
Directive 2001/85/EC
Regulation 107.02 up to and including Supplement 5 ECE Regulation 107.03

Paragraph	Requirement	Complies (Yes, No, N/A)

REPORT/JOB NUMBER:	**VSM245840**

TEST DETAILS	
Location of Test	VCA Midland Centre, Watling St., Nuneaton, CV10 OUA, United Kingdom
Date of Test	29 November 2011
VCA Representative(s)	Richard Pegg
Manufacturer's Representative(s)	Stuart Taylor
Reason for Test	Test report to ensure compliance with Paragraph 7.6.10.9 of EC Directive 2001/85/EEC or 7.6.10.9 of Regulation 107.02 / 107.03

MANUFACTURER DETAILS	
Manufacturer's Name	WSH Taylor Engineering T/A Stayco
Manufacturer's Address	Unit 36-39 Radway Industrial Park Radway Green, Crewe Cheshire CW2 5PR, United Kingdom
Model Type & description	S "Cassette Step"
Category	Separate Technical Unit

CONCLUSION		
	The above mentioned STU was tested in accordance with Paragraph 7.6.10.9 of Directive 2001/85/EC and ECE Regulation 107.03 and was found to comply in all respects	
	Signature: 	
	Name:	Richard Pegg
	Position:	Type Approval Engineer
	Date:	29 November 2011

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Paragraph	Requirement	Complies (Yes, No, N/A)

TEST SPECIFICATION AND WORST CASE RATIONALE

SM600 Single Manual step Mounted as a separate Technical unit to a test rig by means of four M6 fastenings at the front of the step and two M8 fasteners 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
Additional models this test will cover: The SE600 has the same construction but does not have the manual lock out system on it which will reduce the deflection by around 5mm.

Tests required (if more than one is applicable)

- ***Deflection test***

MANUFACTURER'S DOCUMENTATION

Manufacturer's documentation is complete and reflects the agreed specification for the component tested and covers all variants and versions agreed in the worse case rationale — Yes

FACILITY AND EQUIPMENT CHECKS

1 Generic Risk assessment followed *Insert RA identifier here* — Yes

OR

Specific Risk assessment completed and stored in electronic job folder — No

2 Facilities and test equipment are appropriate — Yes

Brief description of test equipment:

3 Calibration certificates checked and valid, recorded in the following table — Yes

Equipment	Serial No.	Calibration data
Load Cell/ Data reader	165096/1075184	19/10/2011
Measure		Confirmed zero at start

Paragraph	Requirement	Complies (Yes, No, N/A)

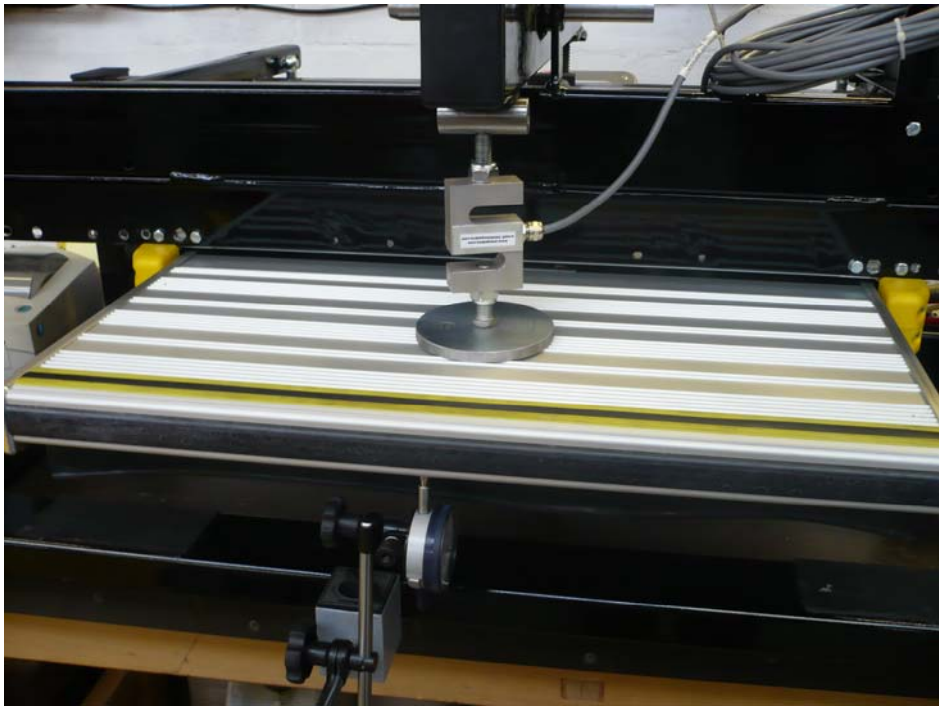
TEST REQUIREMENTS

Regulation	Directive	
Ann 3 7.6.10	*Ann I 7.6.10*	**TECHNICAL REQUIREMENTS FOR RETRACTABLE STEPS**

Ann 3 7.6.10.9	*Ann I 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.	

Results: 8.7 mm deflection noted at 136 kgs load

Photographs:



Paragraph	Requirement	Complies (Yes, No, N/A)