TEST REPORT: Retractable Steps

Report/Job Number: VSK214294

TEST DETAILS

Subject: Retractable Steps
ECE Regulation: Regulation 107.02
Location of Test:
- Unit 1 Offices 5, 6 and 7
- Mereside 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
- Mereside Industrial Park
- Fenns Bank
- Whitchurch
- Shropshire SY13 3PA
- United Kingdom.

Model Type & description: AVS EXE Range, 550, 600 and 750
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

EWVTA ITEM 52 TR01.000
## TEST SPECIFICATION/WORST CASE RATIONALE:

AVS EXE 750 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 widest EXE 750 step was used for test, this report also covers EXE 550, 600 and 750 models.

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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.

Result: Maximum Deflection Measured = 4.2 mm
### INSTRUMENTATION

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