


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Visteon Engineering Services Limited</h3> <p>Issue No: 013    Issue date: 24 January 2012</p>	
	<p>Electronics Technical Centre Laindon Essex SS15 6EE</p>	<p>Contact: Mr C Bennett Tel: +44 (0)1245 395224 Fax: +44 (0)1245 395632 E-Mail: cbennet3@visteon.com Website: www.visteon.com</p>
Testing performed at the above address only		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>Motor Vehicle's Electronics including:</p> <p>Multi Media, Drive Information and Body Safety, Climate Control, Lighting, Energy Transformation Systems</p>	<p><b>1 EMC TESTING</b></p> <p>1.1 Conducted Emissions 150 kHz to 108 MHz</p> <p>Conducted Transient Emissions ± 100 V peak</p>	<p>CISPR 25:1995 ES-XW7T-1A278-AB ES-XW7T-1A278-AC CE 420 SAE J1113:Part 42:1994 CE 410</p>
	<p>1.2 Radiated Electric Field Emissions 150 kHz to 2.5 GHz</p>	<p>CISPR 25:1995 CISPR 25:2002 ES-XW7T-1A278-AB ES-XW7T-1A278-AC RE 310</p>
	<p>1.3 Radiated Electromagnetic Field Immunity:</p> <p>1 MHz to 1 GHz up to 200 V/m 2 m Tri-Plate</p> <p>Parallel Wire Ignition</p> <p>Parallel Wire Misc</p> <p>Absorber Lined Chamber 400 MHz to 3.1 GHz up to 600 V/m</p>	<p>SAE J1113:Part 25:1995 RI 110</p> <p>XU3F-1316-AA ES-XW7T-1A278-AB ES-XW7T-1A278-AC RI 120</p> <p>SAE J1113:Part 12:1994 RI 130</p> <p>ISO 11452-2:2004 ISO 11452-2:1995 ES-XW7T-1A278-AC RI 114</p>



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As listed on Page 2	<b>1 EMC TESTING (cont'd)</b>  1.4 Radiated Magnetic Field Immunity 50 Hz to 10 kHz 50 Hz to 340 Hz 163.2 dbpT RMS Decreasing at 40 db/decade 340 Hz to 10 kHz increasing at 20 db/decade  60 Hz to 10 kHz 121.6 dbpT	ES-XW7T-1A278-AB ES-XW7T-1A278-AC RI 140  Audio only
	1.5 Conducted Immunity  Low Frequency: 10 Hz to 600 Hz 0.2 V Peak to Peak  High Frequency: 600 Hz to 10 kHz 0.5 V Peak to Peak increasing to 2.0 V Peak to Peak  Abnormal Sinewave: 100 Hz 4.0 V Peak to Peak R Source 0.25 Ohm  Abnormal Sinewave: 600 Hz to 10 kHz 10.0 V Peak to Peak R Source 0.25 Ohm	XU3F-1316-AA ES-XW7T-1A278-AB ES-XW7T-1A278-AC CI 210 A1  XU3F-1316-AA ES-XW7T-1A278-AB ES-XW7T-1A278-AC CI 210 A2  XU3F-1316-AA ES-XW7T-1A278-AB ES-XW7T-1A278-AC CI 210 B1  X83F-1316-AA ES-XW7T-1A278-AB ES-XW7T-1A278-AC CI 210 B2
	1.6 Conducted Immunity:  Transients Load Dump	XU3F-1316-AA ES-XW7T-1A278-AB ES-XW7T-1A278-AC CI 220 A1,A2,B1,B2,C,D,E,F&G ISO 7637-0:1990 ISO 7637-1:1990 ISO 7637-2:1990 Pulses 1, 2, 3a, 3b and 5



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	1.6 Conducted Immunity: (cont'd)	
	Ground Shift ± 5 V, 10 μS, 100 Hz	XU3F-1316-AA ES-XW7T-1A278-AB CI 250 A and B
	Power Cycle	XU3F-1316-AA ES-XW7T-1A278-AB ES-XW7T-1A278-AC CI 230 A, B1, B2 and C
	1.7 Conducted Immunity Power Drop and Recovery	XU3F-1316-AA ES-XW7T-1A278-AB ES-XW7T-1A278-AC CI 260 A, B, C, D, E and F
	1.8 Conducted Immunity BCI, 1 MHz to 400 MHz	ISO 11452-4:2001 ES-XW7T-1A278-AB ES-XW7T-1A278-AC RI 112
	1.9 Conducted Immunity DC Voltage Stress -14 V for 1 minute +19 V for 1 hour +24 V	XU3F-1316-AA ES-XW7T-1A278-AB ES-XW7T-1A278-AC CI 270 A, B and C
1.10 Conducted Immunity Immunity from Charging System	ES-XW7T-1A278-AC RI 150	
1.11 Electrostatic Discharge Immunity:		
C = 150 pF, R = 2K ±15 kV	SAE J1113:Part 13:1995, Pulse A	
C = 330 pF, R = 2K up to ±15 kV	ISO TR 10605:1994, Pulse B and C  ISO 10605:2001 Ford ES-XW7T-1A278-AC	



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END		