


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p><b>5031</b></p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Jaguar Land Rover Limited</h3> <p><b>Issue No: 009 Issue date: 28 September 2020</b></p>	
	<p><b>Vehicle Safety Test Laboratory</b>  <b>Gaydon Engineering Centre</b>  <b>Banbury Road</b>  <b>Lighthorne Heath</b>  <b>Warwickshire</b>  <b>CV35 0RR</b></p>	<p><b>Contact: Mr Bryan Cannon</b>  <b>Mobile: +44 (0) 7774006119</b>  <b>E-Mail: bcannon2@jaguarlandrover.com</b></p>
<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Vehicle Seat Belt Anchorages	<p>Load: 1 kN to 50 kN (3 axis)</p> <p>Time: 0 to 30 seconds</p>	<p>Seat Belt Anchorage Standards ECE14, ECE145, FMVSS 210, ADR 5, SAC, GB 14167-2013 ADR 34/02 FMZSS 225, CMVSS 210,CMVSS 210.1, CMVSS 210.2 Brazilian Contran Resolution 48/98.</p>
Vehicle Components	<p>Acceleration: 1 g to 2000 g</p> <p>Load: 500 N to 500 kN (1 axis)</p> <p>Displacement: 0 to 1200 mm</p>	<p>Seat Strength ECE 17, CMVSS 207, FMVSS 207, ADR 3, Brazilian Contran Resolution 220/07.</p> <p>Securing of Seats Brazilian Contran Resolution 463/73 Annex 3</p> <p>Seat Strength Rig: Hydraulic actuators apply quasi static load to seats. ECE17, FMVSS 202a, GB 15083-2006, ST-0045, ST- 0903</p> <p>Pendulum dynamic impact on components. ECE21, ECE17, FMVSS 201L SAC, GB 11552-2009, ST-0047, GB 15083-2006</p>



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Vehicle Components (continued)		Drop Rig Vertical drop dynamic impact on components. ECE12, FMVSS 202a, AIS:096, GB 11557-2011, ST-0903, TPJLR.01.070  Sled Rig Gravity powered rig dynamic testing on vehicle components TPJLR.00.245  Compact Impact Sled ECE16, GB14166, ECE17, GB 15083, ECE21 Annex 8, GB 11552 Annex B, ST024, ST027, ST030  H-Point & HRMD Manikin ECE17, ST-7120, FMVSS 202a, ST 7066, GB 15083-2006
Roof Crush Resistance of Passenger cars	Force 0-200 kN Displacement 0-300 mm	Roof Crush Rig FMVSS 216 FMVSS 216a GB 26134-2010, SAC, IIHS



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Pedestrian safety testing	Acceleration 0-500 gn Mass 0-5 kg Velocity 0-50 km / h 3D Dimensional metrology 2 metre cube Strain (internal to FlexPLI)  Bonnet System (Static Mark Up and Dynamic Testing)  Bumper System (Static Mark Up & Dynamic Testing)  Pedestrian Protection Headform Impactor Assembly (Static & Dynamic)  Pedestrian Protection FlexPLI Legform Impactor Assembly (Dynamic)	ECE 127.00 (excluding clause 3.2.1, Annex 5) ECE 127.01 ECE 127.02 India AIS 100 (excluding clause 7.2.2, Section 7) EuroNCAP V8.0 EuroNCAP V8.1 EuroNCAP V8.2 EuroNCAP V8.3 EuroNCAP V8.4 EuroNCAP V8.5  And documented in-house procedures  Pedestrian Mark up Rig  Pedestrian Head Rig 1 Ped Leg Rig1 and Ped Leg Rig 2  Pedestrian headform impactor assembly - certification rigs (CfG Table and Headform Drop Rig)  Pedestrian FlexPLI legform impactor assembly - dynamic certification rigs (Pendulum Rig and Inverse Rig)

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