National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VISTEON INDIA PRODUCT RELIABILITY ASSURANCE LAB (VIPRA), VISTEON ELECTRONICS INDIA PVT. LTD., KEELAKARANAI VILLAGE, MALROSAPURAM POST, MARAIMALAI NAGAR, CHENGALPATTU, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6543 **Page No** 1 of 2

Validity 06/03/2022 to 05/03/2024 **Last Amended on** 05/05/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic (Automotive) Products- Instrument Clusters, Audio Infotainments, Head Unit Displays, Climatic Control Heads and Temperature controller	Temperature Cycling	IEC 60068-2-14, ISO 16750-4
2	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Cold (Low) temperature	IEC 60068-2-1,ISO 16750-4
3	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Combined Temperature / Vibration (Sine/Random)	ISO 16750-3
4	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Composite Temperature & Humidity Test	IEC 60068-2-38, ISO 16750 -4
5	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Damp Heat (Cyclic), Humidity Cycle	IEC 60068-2-30, ISO 16750-4
6	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Damp Heat (Steady State)	IEC 60068-2-78, ISO 16750-4
7	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Drop test , Free fall test	IEC 60068-2-31, ISO 16750-3
8	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Dry Heat (High Temperature)	IEC 60068-2-2, ISO 16750-4
9	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Dust test	ISO 20653, IP 6K, IEC 60529(cl :13.4), IP 5X, ISO 16750-4
10	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Mechanical shock (Half Sine)	IEC 60068-2-27, ISO 16750-3
11	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Salt Mist , Salt spray test, Corrosion test	IS 9000-11- (Procedure-1), IEC 60068-2-11,IEC 60068-2-52, ISO 16750-4
12	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Temperature shock, Thermal shock, Thermal Impact	IEC 60068-2-14, ISO 16750 -4
13	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Vibration test (Sine / Random)	JIS D1601, IEC 60068-2-64 , IEC 60068-2-6

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14	ELECTRONICS- SAFETY TESTING FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Direct current supply voltage	ISO 16750-2
15	ELECTRONICS- SAFETY TESTING FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Insulation resistance	ISO 16750-2
16	ELECTRONICS- SAFETY TESTING FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Open circuit tests	ISO 16750-2
17	ELECTRONICS- SAFETY TESTING FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Over Voltage	ISO 16750-2
18	ELECTRONICS- SAFETY TESTING FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Reset behavior at voltage drop	ISO 16750-2
19	ELECTRONICS- SAFETY TESTING FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Reversed voltage	ISO 16750-2
20	ELECTRONICS- SAFETY TESTING FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Short circuit protection	ISO 16750-2
21	ELECTRONICS- SAFETY TESTING FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Slow decrease and increase of supply voltage	ISO 16750-2
22	ELECTRONICS- SAFETY TESTING FACILITY	Electronic (Automotive)Products-Instrument clusters, Audio infotainments, Head Unit Displays, Climatic Control heads, Navigation Display units and Temperature controller	Withstand voltage	ISO 16750-2