

INFORMATION REDACTED PURSUANT TO THE FREEDOM
OF INFORMATION ACT (FOIA), 5 U.S.C.552(B)(6)

EA14-002 Kia Sorento Panoramic Sunroof: Summary of Testing Conducted by NHTSA's Vehicle Research and Test Center

TEST	DATE	Vehicle Mfg. and Type	Individual Piece Glazing Origin	Glass Thickness Nominal	Glazing Location on Vehicle	Individual Piece Glazing Nomenclature	Test Type Performed	VEHICLE	Extra Corner Mastic Present	Extra Corner Mastic Removed Before Testing
TEST0	Multiple	Ford Flex	Original Factory OEM Installed	.150"	Rear Door Windows	Carlite Tempered AS3 DOT-287	Stone Impacts	NA	NA	NA
TEST1	3/7/2016	Kia Sorento	Dealer OEM Part	.153"	Front Movable Sunroof	Hankuk Sekurit Tempered T4 DOT-184 AS3 M540 43R-000359	Shatter Test on Stand	NA	YES	NO
TEST2	3/10/2016	Kia Sorento	As received Installed on vehicle	.158"	Front Movable Sunroof	Hankuk Sekurit Tempered T4 DOT-184 AS3 M540 43R-000359	Shatter Test on Vehicle	PLAN: 2011 Kia Sorento EX VIN:5XYKU4A29BG [REDACTED]	NO	NO
TEST3	3/22/2016	Kia Sorento	Dealer OEM Part Reinstalled by Gates Glass Co.	.152"	Front Movable Sunroof	Hankuk Sekurit Tempered T4 DOT-184 AS3 M540 43R-000359	Shatter Test on Vehicle	PLAN: 2011 Kia Sorento EX VIN:5XYKU4A29BG [REDACTED]	YES	YES
TEST4	4/5/2016	Kia Sorento	Dealer OEM Part Reinstalled by Gates Glass Co.	.152"	Front Movable Sunroof	Hankuk Sekurit Tempered T4 DOT-184 AS3 M540 43R-000359	Shatter Test on Vehicle	PLAN: 2011 Kia Sorento EX VIN:5XYKU4A29BG [REDACTED]	YES	YES
TEST5	4/21/2016	Kia Sorento	Dealer OEM Part Reinstalled by Gates Glass Co.	.153"	Front Movable Sunroof	Hankuk Sekurit Tempered T4 DOT-184 AS3 M540 43R-000359	Table Shatter Test	NA	YES	YES
TEST6	4/26/2016	Kia Sorento	Dealer OEM Part Reinstalled by Gates Glass Co.	.152"	Front Movable Sunroof	Hankuk Sekurit Tempered T4 DOT-184 AS3 M540 43R-000359	Shatter Test on Vehicle Sound Test	PLAN: 2011 Kia Sorento EX VIN:5XYKU4A29BG [REDACTED]	YES	YES
TEST6A	4/27/2016	Kia Sorento	Dealer OEM Part Reinstalled by Gates Glass Co.	NR	Front Movable Sunroof	Hankuk Sekurit Tempered T4 DOT-184 AS3 M540 43R-000359	Wind Effect on Shattered Glazing (Single Blower)	PLAN: 2011 Kia Sorento EX VIN:5XYKU4A29BG [REDACTED]	YES	YES
TEST7	5/5/2016	Kia Sorento	As received Installed on vehicle	.152"	Rear Fixed Panorama	Guardian AS3 M40T3 DOT-22 Tempered 43R000134 12A1 A 5D	Hydraulic Ram Shatter Test on Vehicle, Sound Test	PLAN: 2011 Kia Sorento EX VIN:5XYKU4A29BG [REDACTED]	NA	NA
REF.	NA	Kia Sorento	Dealer OEM Part Reinstalled by Gates Glass Co.	.152"	Rear Fixed Panorama	Hankuk Sekurit Tempered T4 DOT-184 AS3 M540 43R-000359	Repaired/No Further Tests	For repair post test	NA	NA
TEST8	6/7/2016	Kia Sorento	Dealer OEM Part Reinstalled by Gates Glass Co.	.154"	Front Movable Sunroof	Hankuk Sekurit Tempered T4 DOT-184 AS3 M540 43R-000359	Shatter Test on Vehicle Stationary Frame 7lbs Punch Load	PLAN: 2011 Kia Sorento EX VIN:5XYKU4A29BG [REDACTED]	YES	YES
TEST9	6/22/2016	Kia Sorento	Dealer OEM Part Reinstalled by Gates Glass Co.	.153"	Front Movable Sunroof	Hankuk Sekurit Tempered T4 DOT-184 AS3 M540 43R-000359	Shatter Test on Vehicle Stationary Frame 7lbs Punch Load with 2 Floor Fans	PLAN: 2011 Kia Sorento EX VIN:5XYKU4A29BG [REDACTED]	YES	YES
TEST10	7/13/2016	Kia Sorento	Dealer OEM Part Reinstalled by Gates Glass Co.	.152"	Front Movable Sunroof	Hankuk Sekurit Tempered T4 DOT-184 AS3 M540 43R-000359	Shatter Test on Vehicle Stationary Frame 7lbs Punch Load, w/2 leaf blowers	PLAN: 2011 Kia Sorento EX VIN:5XYKU4A29BG [REDACTED]	YES	YES
REF.	NA	Kia Sorento	Dealer OEM Part Reinstalled by Gates Glass Co.	.155"	Front Movable Sunroof	Hankuk Sekurit Tempered T4 DOT-184 AS3 M540 43R-000359	NOT TESTED - Vehicle Repaired	PLAN: 2011 Kia Sorento EX VIN:5XYKU4A29BG [REDACTED]	YES	NA