



QUICKLOOK REPORT
61 km/h (38 mph) Side Impact NCAP 27° Moving Deformable Barrier Test
2015 BMW X5 sDrive35i 5-Door MPV NHTSA No. M20154103
November 12, 2014

Position 1 - ES-2re S/N F037						
	Class	Units	Limit	Value	t1	t2
HIC 36	1000		1000	54.217	51	83.4
Max. Thorax Rib Deflection	180	MM	44	11.748		
Combined Abdominal Force	600	N	2500	638.126		
Pubic Symphysis Force	600	N	6000	898.011		

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Pubic Symphysis Force	600	N	6000	898.011		

Position 4 - SID-IIs S/N 307						
	Class	Units	Limit	Value	t1	t2
HIC 36	1000		1000	71.497	67.4	99.2
Lower Spine (T12) Resultant	180	G's	82	41.807		
Combined Pelvic Force	600	N	5525	3048.741		
Max. Thorax Rib Deflection	600	MM	38	25.262		
Max. Abdomen Rib Deflection	600	MM	45	17.376		

HIC 36	1000		1000	71.497	67.4	99.2
Lower Spine (T12) Resultant	180	G's	82	41.807		
Combined Pelvic Force	600	N	5525	3048.741		
Max. Thorax Rib Deflection	600	MM	38	25.262		
Max. Abdomen Rib Deflection	600	MM	45	17.376		

ES-2re Filtered Data						
	Class	Units	Max	Time	Min	Time
Upper Thorax Rib Deflection	180	MM	9.619	37.2	-1.240	135.1
Middle Thorax Rib Deflection	180	MM	8.431	69.2	-0.589	245.9
Lower Thorax Rib Deflection	180	MM	11.748	68.2	-0.376	240.6
Anterior Abdominal Rib Force	600	N	78.821	23.0	-9.634	11.7
Middle Abdominal Rib Force	600	N	291.556	13.4	-4.518	243.4
Posterior Abdominal Rib Force	600	N	301.229	13.8	-4.908	250.3
Lower Spine (T12) Resultant	180	G's	15.116	13.5	0.024	143.5
Pubic Symphysis Force	600	N	135.230	229.0	-898.011	64.0

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Middle Thorax Rib Deflection	180	MM	8.431	69.2	-0.589	245.9
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SID-IIs Filtered Data						
	Class	Units	Max	Time	Min	Time
Upper Thorax Rib Deflection	600	MM	4.646	73.1	-1.215	124.5
Middle Thorax Rib Deflection	600	MM	11.025	75.3	-0.682	125.4
Lower Thorax Rib Deflection	600	MM	25.262	75.6	-0.443	55.8
Upper Abdomen Rib Deflection	600	MM	17.376	74.9	-0.556	56.8
Lower Abdomen Rib Deflection	600	MM	6.157	74.4	-0.007	1.5
Lower Spine (T12) Resultant	180	G's	41.807	72.4	0.101	3.5
Iliac Force	600	N	913.719	68.3	-56.445	155.4
Acetabulum Force	600	N	2137.168	67.9	-66.006	102.8

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Middle Thorax Rib Deflection	600	MM	11.025	75.3	-0.682	125.4
Lower Thorax Rib Deflection	600	MM	25.262	75.6	-0.443	55.8
Upper Abdomen Rib Deflection	600	MM	17.376	74.9	-0.556	56.8
Lower Abdomen Rib Deflection	600	MM	6.157	74.4	-0.007	1.5
Lower Spine (T12) Resultant	180	G's	41.807	72.4	0.101	3.5
Iliac Force	600	N	913.719	68.3	-56.445	155.4
Acetabulum Force	600	N	2137.168	67.9	-66.006	102.8

Vehicle Safety Features	
Pretensioners	Yes
Load Limiters	Yes
Adjustable Belt Anchors	Yes
ABS	Yes
ADLs	Yes

Standards Measured Post-Test	
301- Fuel System Integrity	Yes
If No, Amount Measured In Ounces	
305 - Electrolyte Spillage	N/A
If No, Amount Measured In Ounces	
305 - Electrical Isolation	N/A
If No, Ohms / Volts	
305 - Battery Retention	N/A
If No, Failure Location	

Test Vehicle Doors	
Can Disable ADLs Using Owner's Manual	Yes
Doors Locked (Pre-Test)	No
Driver Door Latched (Post-Test)	Yes
Rear Passenger Door Latched (Post-Test)	Yes

Impact Location		
Horizontal Distance from Impact Point to Vertical Impact Line (+Left/-Right)	MM	-6
Vertical Distance from Impact Point to Horizontal Impact Line (-Up/+Down)	MM	14

	Airbag Deployment			
	Driver (P1)		Left Rear Passenger (P4)	
	Deployment	Mount	Deployment	Mount
Head Bag	Yes	Curtain	Yes	Curtain
Torso Bag	N/A	N/A	N/A	N/A
Pelvis Bag	N/A	N/A	N/A	N/A
Torso/Abdomen/Pelvis Bag	Yes	Seat	N/A	N/A
Combination Bag	N/A	N/A	N/A	N/A
Frontal Bag	No	Steering Whl		

	Test Particulars			
	Metric Units		English Units	
	Units	Value	Units	Value
MDB Velocity	km/h	61.90	mph	38.46
Vehicle Curb Weight	kg	2099	lbs	4627
Vehicle Test Weight	kg	2352	lbs	5186
Vehicle Width	mm	1930	Inches	76.0
Vehicle Wheelbase	mm	2935	Inches	115.6
Vehicle Length	mm	4900	Inches	192.9
Suspension Mode, if adjustable:	N/A			

Comments:

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