



QUICKLOOK REPORT

32 km/h (20 mph) Side Impact NCAP 75° Rigid Pole Test
2015 BMW X5 sDrive35i 5-Door MPV NHTSA No. M20154102

November 11, 2014

Position 1 - SID-IIs S/N 299						
	Class	Units	Limit	Value	t1	t2
HIC 36	1000		1000	349.321	47.4	72.5
Lower Spine (T12) Res.	180	G's	82	48.830		
Combined Pelvic Force	600	N	5525	3620.657		
Max. Thorax Rib Deflection	600	mm	38	26.065		
Max. Abdomen Rib Deflection	600	mm	45	22.613		

SID-IIs Filtered Data						
	Class	Units	Max	Time	Min	Time
Upper Thorax Rib Deflection	600	mm	26.065	56.7	-0.965	148.0
Middle Thorax Rib Deflection	600	mm	22.779	54.4	-2.049	123.9
Lower Thorax Rib Deflection	600	mm	21.718	53.3	-2.591	117.2
Upper Abdomen Rib Deflection	600	mm	22.613	54.6	-0.096	297.6
Lower Abdomen Rib Deflection	600	mm	19.600	54.1	-0.013	1.8
Lower Spine (T12) Resultant	180	G	48.830	52.8	0.059	0.4
Iliac Force	600	N	1189.297	51.6	-15.730	234.5
Acetabulum Force	600	N	2439.209	51.9	-36.268	84.3

Test Particulars				
Metric Units		English Units		
Units	Value	Units	Value	
Vehicle Velocity	km/h	32.21	mph	20.01
Vehicle As Delivered Weight	kg	2095	lbs	4619
Vehicle Test Weight	kg	2274	lbs	5013
Vehicle Width	mm	1930	Inches	76.0
Vehicle Wheelbase	mm	2934	Inches	115.5
Vehicle Length	mm	4874	Inches	191.9
Suspension Mode, if adjustable:	N/A			

Comments:

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	

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

Impact Location		
Horizontal Difference from Impact Point to Vertical Impact Line (+ Fwd / - Rearward)	mm	-32

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

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

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