



QUICKLOOK REPORT

**56 km/h (35 mph) Frontal Impact NCAP Rigid Barrier Test
2015 BMW X5 xDrive35i 5-Door MPV NHTSA No. M20154100**

November 13, 2014

Injury Reading	Driver, 50th Percentile Male S/N 360					Passenger, 5th Percentile Female S/N 635			
	Units	Limit	Value	t ¹	t ²	Limit	Value	t ¹	t ²
HIC 15		700	174.249	53.1	68.1	700	229.506	71.1	86.1
Nij		1	0.302	62.1	Ntf	1	0.297	53.1	Nte
Upper Neck Force Z (Tension)	Newtons	4170	1355.788	69.8		2620	690.426	56.3	
Upper Neck Force Z (Compression)	Newtons	4000	-165.592	96.6		2520	-101.379	156.7	
Upper Neck Moment Y (Flexion)	Newtons	310	57.319	62.7		155	29.721	69.1	
Upper Neck Moment Y (Tension)	Newtons	135	-17.043	118.3		67	-19.176	103.4	
Chest Deflection	mm	63	-20.074	75.3		52	-16.864	69.6	
3 ms Chest Clip	Gs	60	42.060	72.9	75.9	60	37.025	74.2	77.2
Femur Force, Left	Newtons	10000	-867.897	38.8		6800	-2088.515	28.1	
Femur Force, Right	Newtons	10000	-2094.762	39.0		6800	-1270.266	28.0	

	Test Particulars			
	Metric Units		English Units	
	Units	Value	Units	Value
Vehicle Impact Velocity	km/h	56.14	mph	34.88
Vehicle Curb Weight	kg	2127	lbs	4689
Vehicle Test Weight	kg	2396	lbs	5283
As Delivered Vehicle Width	mm	1937	Inches	76.3
As Delivered Vehicle Wheelbase	mm	2935	Inches	115.6
As Delivered Vehicle Length	mm	4885	Inches	192.3

Standards Measured Post-Test	
212 - Windshield Periphery Retention	Yes
219 (Partial) - Windshield Zone Intrusion	Yes
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	

	Airbag Deployment			
	Driver (P1)		Front Pass. (P2)	
	Deployment	Mount	Deployment	Mount
Front	Yes	St. Whl	Yes	Dash
Knee	Yes	Bolster	Yes	Bolster
Side Torso	No	Seat	No	Seat
Side Curtain	Yes	Header	No	Header

	Vehicle Safety Features	
	Driver	Passenger
Pre-tensioners	Yes	Yes
Load Limiters	Yes	Yes
Adj. Belt Anchors	Yes	Yes
ABS	Yes	
ADLs	Yes	

Test Vehicle Doors	
Disable ADLs Using Owners Manual	Yes
Doors Locked (Pre-Test)	No
Doors Latched (Post-Test)	Yes

Comments:

QUICK-1

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