



QUICKLOOK REPORT

56 km/h (35 mph) Frontal Impact NCAP Rigid Barrier Test
2015 Ford Escape SE 4WD 5-Door MPV NHTSA No. M20150209

November 14, 2014

Injury Reading	Driver, 50th Percentile Male S/N 034					Passenger, 5th Percentile Female S/N 141			
	Units	Limit	Value	t ¹	t ²	Limit	Value	t ¹	t ²
HIC 15		700	243.015	66.7	81.7	700	241.707	62.9	77.9
Nij		1	0.432	93.1	Nce	1	0.472	97.5	Nce
Upper Neck Force Z (Tension)	Newtons	4170	1763.096	76.3		2620	753.482	60.8	
Upper Neck Force Z (Compression)	Newtons	4000	-498.395	94.2		2520	-470.848	90.5	
Upper Neck Moment Y (Flexion)	Newtons	310	56.813	64.5		155	27.145	151.2	
Upper Neck Moment Y (Tension)	Newtons	135	-42.358	90.2		67	-30.286	98.0	
Chest Deflection	mm	63	-16.635	67.1		52	-10.979	60.4	
3 ms Chest Clip	Gs	60	48.352	80.0	83	60	51.728	67.7	70.7
Femur Force, Left	Newtons	10000	-1036.026	55.8		6800	-2015.538	64.7	
Femur Force, Right	Newtons	10000	-1383.993	46.9		6800	-855.590	59.4	

	Test Particulars			
	Metric Units		English Units	
	Units	Value	Units	Value
Vehicle Impact Velocity	km/h	56.27	mph	34.96
Vehicle Curb Weight	kg	1641	lbs	3619
Vehicle Test Weight	kg	1808	lbs	3987
As Delivered Vehicle Width	mm	1830	Inches	72.0
As Delivered Vehicle Wheelbase	mm	2690	Inches	105.9
As Delivered Vehicle Length	mm	4535	Inches	178.5

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	N/A	N/A
Side Torso	No	Seat	No	Seat
Side Curtain	No	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	

Comments:

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

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