



QUICKLOOK REPORT
61 km/h (38 mph) Side Impact NCAP 27° Moving Deformable Barrier Test
2016 Mazda CX-3 Touring 5-Door Hatchback NHTSA No. M20165402
November 17, 2015

QUICK-1

TR-P35003-05-NC

Position 1 - ES-2re S/N F037						
	Class	Units	Limit	Value	t1	t2
HIC 36	1000		1000	182.863	32.7	66.2
Max. Thorax Rib Deflection	180	mm	44	20.653		
Combined Abdominal Force	600	N	2500	883.918		
Pubic Symphysis Force	600	N	6000	1486.975		

Position 4 - SID-IIs S/N 307						
	Class	Units	Limit	Value	t1	t2
HIC 36	1000		1000	240.521	44.8	72.1
Lower Spine (T12) Resultant	180	g	82	84.552		
Combined Pelvic Force	600	N	5525	2166.063		
Max. Thorax Rib Deflection	600	mm	38	21.298		
Max. Abdomen Rib Deflection	600	mm	45	16.375		

ES-2re Filtered Data						
	Class	Units	Max	Time	Min	Time
Upper Thorax Rib Deflection	180	mm	14.169	35.8	-2.003	71.4
Middle Thorax Rib Deflection	180	mm	16.348	34.6	-1.993	72.8
Lower Thorax Rib Deflection	180	mm	20.653	34.6	-0.122	77.3
Anterior Abdominal Rib Force	600	N	148.523	47.0	-8.052	10.0
Middle Abdominal Rib Force	600	N	339.739	32.3	-8.074	81.6
Posterior Abdominal Rib Force	600	N	428.955	31.1	-2.990	243.7
Lower Spine (T12) Resultant	180	g	28.967	35.3	0.086	3.7
Pubic Symphysis Force	600	N	79.210	210.7	-1486.975	32.7

SID-IIs Filtered Data						
	Class	Units	Max	Time	Min	Time
Upper Thorax Rib Deflection	600	mm	21.298	53.2	-0.406	257.5
Middle Thorax Rib Deflection	600	mm	14.377	52.3	-0.413	299.9
Lower Thorax Rib Deflection	600	mm	9.416	51.3	-2.134	66.8
Upper Abdomen Rib Deflection	600	mm	16.375	49.7	-0.009	4.1
Lower Abdomen Rib Deflection	600	mm	14.405	41.9	-0.004	0.0
Lower Spine (T12) Resultant	180	g	84.552	40.0	0.077	1.1
Iliac Force	600	N	463.619	40.6	-95.918	72.6
Acetabulum Force	600	N	1710.495	40.1	-58.189	7.4

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	-24
Vertical Distance from Impact Point to Horizontal Impact Line (-Up/+Down)	mm	5

	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	Seatback	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	61.91	mph	38.47
Vehicle Curb Weight	kg	1275	lbs	2810
Vehicle Test Weight	kg	1436	lbs	3166
Vehicle Width	mm	1735	Inches	68.3
Vehicle Wheelbase	mm	2563	Inches	100.9
Vehicle Length	mm	4258	Inches	167.6
Suspension Mode, if adjustable:	N/A			

Comments:
