

# Case 456 : Narrative

Case Vehicle (A): 2003 Toyota
Type: Camry XLE, 4-door sedan
Driver: 47-year-old male
CDC: 12-FZEW-3

## SITUATION

[1](#) It was a clear but dark night, there were no streetlights, and the east-west, two-lane asphalt road was dry and in good condition. [2](#) Case vehicle (A) was traveling west at a driver-estimated speed of 45 mph (72 kph) in the westbound lane when [3](#) [4](#) [5](#) the driver steered to the right to avoid hitting a deer in the road ahead. Before the driver could steer back to the left, case vehicle (A) exited the north edge of the road and [6](#) struck a 93-cm-diameter tree with the right front. Case vehicle (A) was towed due to damage.

The police accident report (PAR) indicates B-level injuries for the driver, the 11-year-old female right-front passenger, and the 10-year-old female right-rear passenger of case vehicle (A), and all were transported by ambulance to a hospital where they were treated and released.

## GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[7](#) Damage to the front of case vehicle (A) was severe. [8](#) Direct damage began at the right-front bumper corner and extended 93-cm across the front, resulting in 57% vehicle overlap (% VOL). [9](#) The maximum crush was 67 cm and it occurred to the left of the right-front bumper corner.

Using the WinSMASH crash-reconstruction program and a crush profile measured for [10](#) [11](#) case vehicle (A) at the level of the bumper, the following impact severity was estimated:

		Estimated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case vehicle (A)	delta V	39 (24)	-39 (-24)	0 (0)

## DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

### Exterior

In the front, [12](#) the right half of the bumper and the hood were crushed rearward and the center of the hood was buckled up. [13](#) The right rail of the engine compartment was crushed rearward and buckled to the left. The hood latch was damaged and jammed closed, [14](#) the right hood hinge was damaged but [15](#) there was no damage to the left hood hinge, and back edge of the hood was elevated and [16](#) [17](#) it had contacted and cracked the windshield. [18](#) There was a vertical split in the left-center section of the windshield extending from the header to the cowl.

[19](#) On the right side, the front section of the fender and the front wheel were crushed rearward and the right wheelbase was reduced by 6 cm. [20](#) The right-front tire was flat, [21](#) the right A-pillar was displaced rearward, and [22](#) the roof and right roof siderail above the B-pillar [23](#) were buckled. [24](#) The exterior panel of the right-front door was bowed out, [25](#) but both right-side doors were closed and operational and all of the right-side glazing was intact.

[26](#) There was no damage to the rear of the vehicle. On the left side, [27 28](#) the left wheelbase was increased by 3 cm, both doors remained closed and operational, and all of the left-side glazing was intact.

## Interior

This vehicle was equipped with steering-wheel and dash-mounted frontal-impact airbags, and [29 30](#) both deployed during the frontal impact. [31 32](#) This vehicle was also equipped with side-impact airbags mounted in the outer section of the front-row seatbacks and with [33 34](#) curtain airbags mounted in the roof siderails, but none of the side-impact airbags deployed.

In the driver area, [29](#) there was no damage to the steering-wheel airbag or [35 36 37 38](#) to the module covers. The steering-wheel rim was not deformed [39 40](#) but the steering-wheel hub was split, all four of the steering-wheel spokes were broken, the steering-wheel rim and the cruise control levers were displaced forward, and the steering column was displaced up and to the right. [41](#) The forward portion of the roof, the roof headliner, and the sunroof were buckled up slightly. [42 43](#) There were scuffmarks on the driver knee bolster to the left and right of the steering column, as well as on the left side of the plastic steering-column cover. [44](#) The gas and the brake pedals were displaced to the right and the heater/air-conditioning duct was loose, but [45 46](#) there was no other damage in the driver area.

In the center-front area, [47 48](#) the rearview mirror was separated from its windshield mount [49](#) but it was not cracked or broken. [50](#) The left side of the vertical console and the transmission tunnel were displaced to the right, there were scuff marks on the vertical console, and the radio was loose. [51](#) There was no other damage in the center-front area.

In the right-front passenger area, [52 53](#) there was no damage to the deployed dash-mounted airbag or [54](#) to the module cover, [55](#) but the upper-left corner of the airbag fabric was stained with blood. [56](#) The plastic cover on the upper section of the A-pillar was deformed. [57](#) The instrument panel was partially separated from the firewall and displaced rearward, the upper vent outlet was loose, [58](#) the glove-compartment door was scuffed, and [59](#) the cover below the glove compartment was displaced and loose. The toepan was buckled rearward, the transmission tunnel was buckled to the right, and the kick panel was buckled to the left. [60](#) Also the glove-compartment door would not close due to rearward displacement of the heater/air-conditioner fan motor. [61 62](#) There was no other damage in the right-front seating area.

In the right-rear seating area, [63](#) the back of the right-front seatback was dented. [64 65 66 67](#) There was no other damage in the rear seating areas.

The following intrusions were noted and measured:

Location	Component	Distance (cm)	Direction
	transmission tunnel <a href="#">68</a>	16	right
	kick panel	15	left

right front	toe pan <a href="#">69</a>	9	rear
	instrument panel <a href="#">70</a>	6	rear

## OCCUPANT KINEMATICS AND INJURIES

[71](#) The 183-cm, 95-kg (6-ft, 210-lb) 47-year-old male driver was using the three-point belt that was equipped with a pretensioner [72](#) and the steering-wheel airbag deployed. [73](#) It could not be confirmed if the pretensioner had deployed but the shoulder belt was jammed into the forward section of plastic D-ring and would not retract, [74](#) and there were webbing loading marks on the D-ring, indicating belt use by the driver.

During the frontal impact, the driver moved forward relative to the vehicle interior, into the belt restraints, airbag, and knee bolster. He sustained cervical strain, probably due to non-contact impact forces, and he sustained an abrasion to the left-anterior aspect of the neck from loading by the shoulder belt.

[75](#) The 147-cm, 45-kg, (4-ft 10-in, 100-lb), 11-year-old female right-front passenger was using the available three-point belt that was equipped with a pretensioner and [76](#) the dash-mounted airbag deployed. It could not be confirmed if the belt pretensioner had deployed [77](#) [78](#) but belt loading marks on the D-ring and [79](#) [80](#) on the continuous loop of the sliding latch plate indicate belt use by the right-front passenger.

During the frontal impact, the right-front passenger moved forward relative to the vehicle interior, into the belt restraints, the airbag, and the glove compartment/knee bolster. She sustained a laceration to the right side of forehead and a laceration to the dorsal aspect of the right wrist from unknown sources. She sustained an abrasion to the right-anterior aspect of the neck and a contusion across the sternum from loading by the shoulder belt. She sustained an abrasion and a contusion to the left knee and an abrasion to the right knee from contact with the knee bolster/glove compartment.

[81](#) The 135-cm, 36-kg, (4-ft 5-in, 80-lb) 10-year-old female right-rear passenger was using the available three-point belt as indicted by [82](#) [83](#) webbing loading marks on the D-ring and on the continuous loop of the sliding latch plate. At the time of the crash she was reportedly asleep in a "slumped" posture with her left leg crossed over her right leg and her right foot on the floor.

During the frontal impact, the right-rear passenger moved forward relative to the vehicle interior, into the belt restraints and the back of the right-front seatback. She sustained abrasions to the right side of the neck and across the upper-right chest and a contusion across the sternum due to loading by the shoulder belt. She sustained abrasions to the anterior aspects of both hips over the iliac crests and a contusion across the abdomen due to loading by the lap belt. She sustained a contusion to the right knee from contact with the back of the right-front seatback, and she sustained a sprain to the right ankle, probably from contact with the floor.

The following tables and attached drawings [84](#) [85](#) [86](#) summarize the injuries for the three occupants of case vehicle (A).

Occupant: Driver	Age: 47 years	Gender: Male
Restraints: 3-point belt with pretensioner;	Stature: 183 cm (6 ft, 0	Mass: 95 kg (210 lb)

steering-wheel airbag		(in)		
Injury Description	A.I.S.	Injury Source		
—	—	Definite	Probable	Possible
Cervical strain	1	—	Non-contact impact forces	—
Abrasion, left-anterior aspect of neck	1	Shoulder belt	—	—
Maximum A.I.S. Level	1	—	—	—
Injury Severity Score	2	—	—	—

Occupant: Right front	Age: 11 years	Gender: Female		
Restraints: 3-point belt with pretensioner; dash-mounted airbag	Stature: 147 cm (4 ft, 10 in)	Mass: 45 kg (100 lb)		
Injury Description	A.I.S.	Injury Source		
—	—	Definite	Probable	Possible
Laceration, right side of forehead	1	Unknown	—	—
Abrasion, right side of neck	1	Shoulder belt	—	—
Contusion, across sternum	1	Shoulder belt	—	—
Laceration, dorsal aspect of right wrist	1	Unknown	—	—
Abrasion, right knee	1	Knee bolster/glove compartment	—	—
Abrasion and contusion, left knee	1	Knee bolster/glove compartment	—	—
Maximum A.I.S. Level	1	—	—	—
Injury Severity Score	1	—	—	—

Occupant: Right rear	Age: 10 years	Gender: Female		
Restraints: 3-point belt	Stature: 135 cm (4 ft, 5 in)	Mass: 36 kg (80 lb)		
Injury Description	A.I.S.	Injury Source		
—	—	Definite	Probable	Possible

Abrasion, right side of neck	1	Shoulder belt	—	—
Abrasion, across upper-right chest	1	Shoulder belt	—	—
Contusion, across sternum	1	Shoulder belt	—	—
Contusion, across abdomen	1	Lap belt	—	—
Abrasions, both hips over iliac crests	1	Lap belt	—	—
Contusion, right knee	1	—	Right-front seatback	—
Sprain, right ankle	1	—	Floor	—
Maximum A.I.S. Level	1	—	—	—
Injury Severity Score	2	—	—	—

CASE NO.: 456

CASE VEHICLE: 2003 Toyota

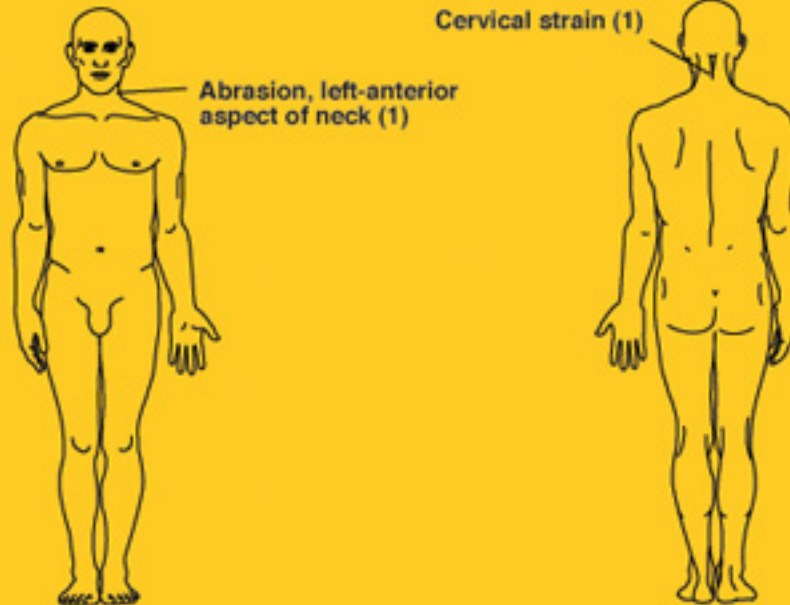
TYPE: Camry XLE, 4-door sedan

OCCUPANT: Driver: 47-year-old male

STATURE: 183 cm (6 ft) MASS: 95 kg (210 lb)

RESTRAINTS: 3-point belt with pretensioner;  
steering-wheel airbag (unable to  
confirm activation of belt pretensioner)

SEVERITY: MAIS - 1 : ISS - 2



CASE NO.: 456

CASE VEHICLE: 2003 Toyota

TYPE: Camry XLE, 4-door sedan

OCCUPANT: Right front: 11-year-old female

STATURE: 147 cm (4 ft, 10 in) MASS: 45 kg (100 lb)

RESTRAINTS: 3-point belt with pretensioner;  
dash-mounted airbag (unable to  
confirm activation of belt pretensioner)

Laceration, right side of forehead (1)

SEVERITY: MAIS - 1 : ISS - 1

Abrasion, right side of neck (1)

Contusion, across sternum (1)

Laceration, dorsal aspect  
of the right wrist (1)

Abrasion, right knee (1)

Abrasion and contusion, left knee (1)



CASE NO.: 456

CASE VEHICLE: 2003 Toyota

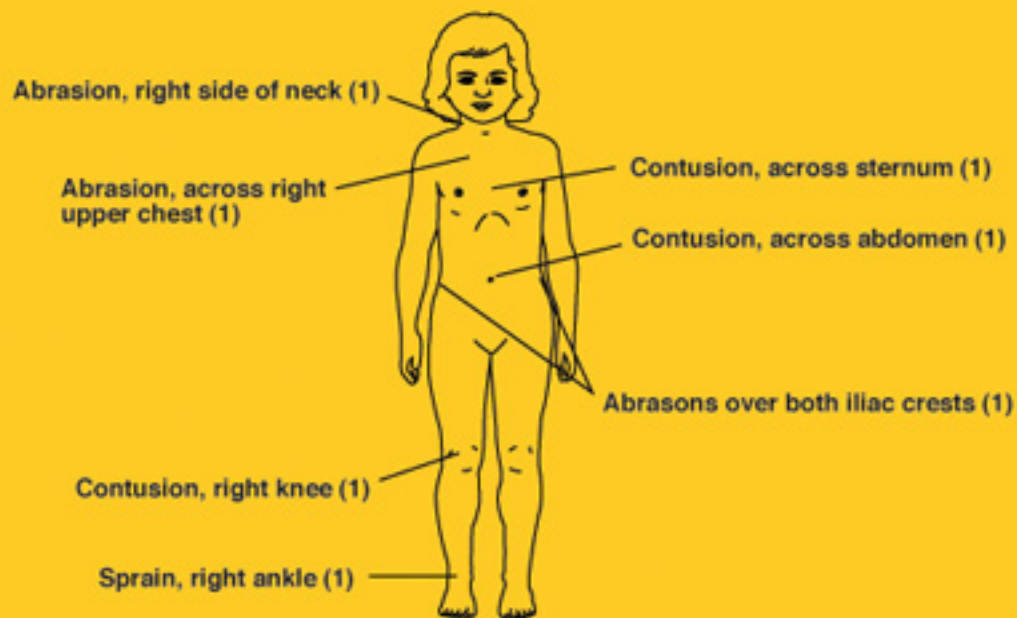
TYPE: Camry XLE, 4-door sedan

OCCUPANT: Right rear: 10-year-old female

STATURE: 135 cm (4 ft, 5 in) MASS: 36 kg (80 lb)

RESTRAINTS: 3-point belt

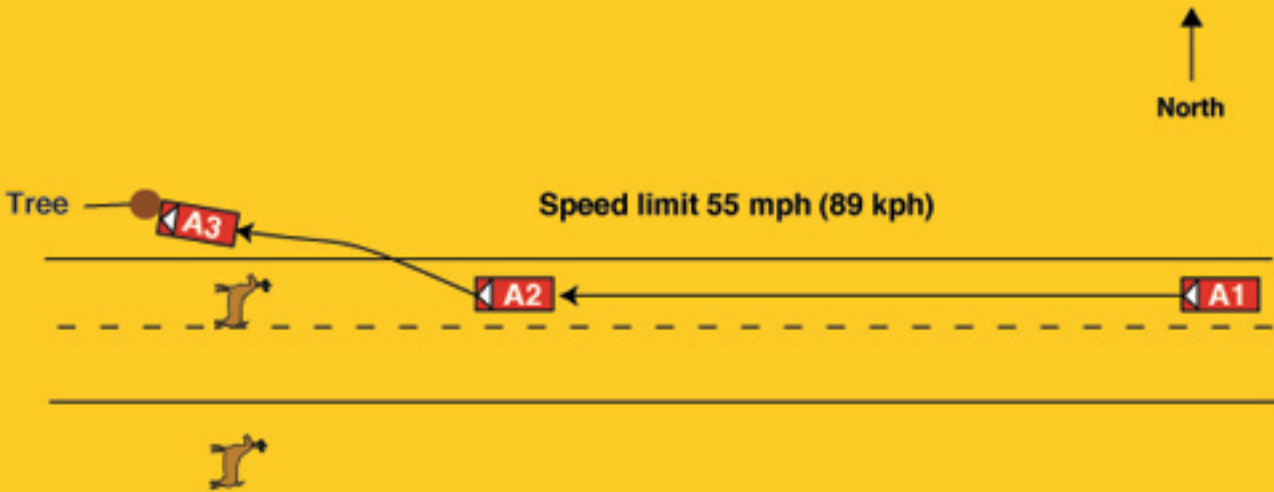
SEVERITY: MAIS - 1 : ISS - 2





Case No.: 456  
Case Veh. (A): 2003 Toyota  
Type: Camry XLE, 4-door sedan  
Driver: 47-year-old male

Light Conditions: **Dark - unlighted**  
Weather: **Clear**  
Road Surface: **Dry**  
Road Construction: **Asphalt**



# Case 456: Vehicle Report

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  - [Case Vehicle Damage Description](#)
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  - [Case Vehicle Tires & Rims](#)
  - [Case Vehicle Fuel Tank](#)
  - [Case Vehicle Fuel Leakage](#)
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  - [Case Vehicle Airbag\(s\)](#)
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  - [EDR -- Event Data Recorder](#)
- 

## General Information

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0204	Collision Hour	0340	Time of day (24 hour clock)	<a href="#">more</a>
V0205	State Fips Code	26	Michigan	<a href="#">more</a>
V0206	Urban/rural Area	2	Rural	<a href="#">more</a>
V0207	Limited Access Highway	0	No	<a href="#">more</a>
V0208	Road Total Lanes	2	2 lanes	<a href="#">more</a>
V0209	Intersect Road Total Lanes	8	Not applicable	<a href="#">more</a>
V0210	Trafficway Flow	0	Not physically divided - two way traffic	<a href="#">more</a>
V0211	Road Surface Type	1	Asphalt	<a href="#">more</a>
V0212	Road Defects	0	No	<a href="#">more</a>
V0213	Construction Zone	0	No	<a href="#">more</a>
V0214	Road Alignment Vertical Plane	1	Level	<a href="#">more</a>

V0215	Road Alignment Horizontal Plane	1	Straight	<a href="#">more</a>
V0216	Surface Covering	10	Dry	<a href="#">more</a>
V0217	Visibility Limitation	0	None	<a href="#">more</a>
V0218	Visibility Obstruction	0	None	<a href="#">more</a>
V0219	Speed Limit	6	86-90 km/h .. 55 mph	<a href="#">more</a>
V0220	Precipitation Type	0	None	<a href="#">more</a>
V0221	Precipitation Rate	8	Not applicable	<a href="#">more</a>
V0222	Temperature	9	Unknown	<a href="#">more</a>
V0223	Crosswind	0	None	<a href="#">more</a>
V0224	Light Conditions	5	Dark, unlighted	<a href="#">more</a>
V0225	Mechanical Malfunction Mention	0	No	<a href="#">more</a>
V0226	Case Vehicle And Object	4	Yes, fixed object off-road	<a href="#">more</a>
V0227	Case Vehicle Rollover	0	No	<a href="#">more</a>
V0228	Rollover Location	0	No rollover	<a href="#">more</a>
V0229	Roll Direction	0	No rollover	<a href="#">more</a>
V0230	Rollover Initiation Type	0	No rollover	<a href="#">more</a>
V0231	Rollover Number Of Turns	0	No rollover	<a href="#">more</a>
V0232	Case Vehicle Preimpact Braking	9	Unknown	<a href="#">more</a>
V0233	Case Vehicle Preimpact Stability	1	Case vehicle tracking before impact	<a href="#">more</a>
V0234	Case Vehicle Ran Off Roadway	1	Yes	<a href="#">more</a>
V0235	Moving Case Vehicle Contacted Moving Vehicle	0	No	<a href="#">more</a>
V0236	Case Vehicle Contacted Stopped Vehicle	0	No	<a href="#">more</a>
V0237	Stopped Case Vehicle Contacted Vehicle	0	No	<a href="#">more</a>
V0238	Total Vehicles Hit By Case Vehicle	0	0 vehicles	<a href="#">more</a>
V0239	Any Fire In Crash?	0	No	<a href="#">more</a>
V0240	Maximum Police Severity-acc	2	B - Non-Incapacitating Injury	<a href="#">more</a>
V0241	Driver Alcohol Involvmnt	0	Had not been drinking	<a href="#">more</a>
V0242	Driver Alcohol BAC (Case Vehicle)	80	No test	<a href="#">more</a>
V0243	Driver Impairment Mention	0	No	<a href="#">more</a>
V0244	Driver Distraction	01	Attentive or not distracted	<a href="#">more</a>

V0245	Driver Drug Involvement	0	None	<a href="#">more</a>
V0246	Driver Drug Type	0	No drug use	<a href="#">more</a>
V0247	Driven/towed From Scene	2	Towed Due to Damage	<a href="#">more</a>

## Other Vehicle

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0301	Other Vehicle VIN	0 xxxxxxx	—	<a href="#">more</a>
V0302	Other Vehicle Manufacturer/Body Code	99898	—	—
V0303	Other Vehicle Manufacturer	998	Unknown Other Vehicle	<a href="#">more</a>
V0304	Other Vehicle Body Code	98	No Other Vehicle	<a href="#">more</a>
V0305	Other Vehicle Make/model	0000	No other vehicle	<a href="#">more</a>
V0306	Other Vehicle Model Year	00	Year	<a href="#">more</a>
V0307	Other Vehicle Mass	000000 kg	No Other Vehicle	<a href="#">more</a>
V0308	Other Vehicle Number	8	No other vehicle	<a href="#">more</a>
V0309	Other Vehicle Number of Occupants	98	No Other Vehicle	<a href="#">more</a>
V0310	Other Vehicle Traveling Speed	990	No Other Vehicle	<a href="#">more</a>
V0311	Highest Police Injury Severity	8	No Other Vehicle	<a href="#">more</a>
V0312	Other Vehicle Type	98	No Other Vehicle	<a href="#">more</a>
V0313	Other Vehicle Wheelbase in Centimeters	998	No Other Vehicle	<a href="#">more</a>
V0314	Other Vehicle Average Track Width	998	No Other Vehicle	<a href="#">more</a>
V0315	Other Vehicle Overall Length	998	No Other Vehicle	<a href="#">more</a>
V0316	Other Vehicle Overall Width (OAW)	998	No Other Vehicle	<a href="#">more</a>
V0317	Other Vehicle Front Overhang	998	No Other Vehicle	<a href="#">more</a>
V0318	Other Vehicle Rear Overhang	998	No Other Vehicle	<a href="#">more</a>
V0319	Other Vehicle Undeformed End Width (UEW)	998	No Other Vehicle	<a href="#">more</a>
V0320	Other Vehicle Engine Displacement	0.0 l	No Other Vehicle	<a href="#">more</a>
V0321	Other Vehicle Engine: Number of Cylinders	98	No Other Vehicle	<a href="#">more</a>

V0322	Other Vehicle Direct Damage Length (DDL)	998	No Other Vehicle	<a href="#">more</a>
V0323	Other Vehicle Front-End Overlap	99	Missing or Not applicable	<a href="#">more</a>
V0324	Other Vehicle - Vehicle Overlap	99	Missing or Not applicable	<a href="#">more</a>

## Case Vehicle General

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0401	VIN	4T1BE30K13XXXXXXX	<a href="#">Click for Case Vehicle figure</a>	<a href="#">more</a>
V0402	Manufacturer/Body Code	87128	—	—
V0403	Vehicle Manufacturer	871	Toyota	<a href="#">more</a>
V0404	Vehicle Body Code	28	Intermediate 105-109.9 in. wb.	<a href="#">more</a>
V0405	Make/model Code	1610	Camry	<a href="#">more</a>
V0406	Model Year	2003	Model year	<a href="#">more</a>
V0407	Vehicle Mass	001525 kg	Mass (Kg)	<a href="#">more</a>
V0408	Odometer Reading	888888	—	—
V0409	Number of Occupants	03	3 occupants	<a href="#">more</a>
V0410	Traveling Speed	072 kph	Speed (km/h)	<a href="#">more</a>
V0411	Body Type	14	4-door sedan	<a href="#">more</a>
V0412	Stolen Vehicle	8	Not currently collected	<a href="#">more</a>
V0413	Body Structure	2	Unitized	<a href="#">more</a>
V0414	Transmission Type	1	Automatic	<a href="#">more</a>
V0415	Transmission Lever Location	2	Console	<a href="#">more</a>
V0416	Steering	1	Power	<a href="#">more</a>
V0417	Brakes	1	Power	<a href="#">more</a>
V0418	Brake Type	3	Disc - all wheels	<a href="#">more</a>
V0419	Adjustable Pedals?	0	No	<a href="#">more</a>
V0420	Brake Anti-lock Device	2	Four-wheel	<a href="#">more</a>
V0421	Air Conditioning in Vehicle	8	Not currently collected	<a href="#">more</a>
V0422	Drive Type	2	Front wheel	<a href="#">more</a>
V0423	Dual Rear Wheels	0	No	<a href="#">more</a>
V0424	Original Restraint System Type	3	Air bag	<a href="#">more</a>
	Equipped With Roll	0		

V0425	Bar		No	<a href="#">more</a>
V0426	Roof Type	4	Sun roof closed	<a href="#">more</a>
V0427	Case Vehicle Wheelbase in Centimeters	272 cm	Actual Wheelbase	<a href="#">more</a>
V0428	Anti-lacerative Glass	8	Not Collected	<a href="#">more</a>
V0429	Case Vehicle average track Width	156 cm	actual measurement (cm)	<a href="#">more</a>
V0430	Case Vehicle Overall Length	481 cm	actual measurement (cm)	<a href="#">more</a>
V0431	Case Vehicle Overall Width (OAW)	180	actual measurement (cm)	<a href="#">more</a>
V0432	Case Vehicle Front Overhang	094 cm	actual measurement (cm)	<a href="#">more</a>
V0433	Case Vehicle Rear Overhang	115 cm	actual measurement (cm)	<a href="#">more</a>
V0434	Case Vehicle Undeformed End Width (UEW)	160 cm	actual measurement (cm)	<a href="#">more</a>
V0435	Case Vehicle Engine Displacement	3.0 l	Liters	<a href="#">more</a>
V0436	Case Vehicle Engine: Number of Cylinders	06	number of cylinders	<a href="#">more</a>
V0437	Case Vehicle Direct Damage Length (DDL)	093 cm	actual measurement (cm)	<a href="#">more</a>
V0438	Case Vehicle Front-end Overlap	58	percentage (%)	<a href="#">more</a>
V0439	Case Vehicle - Vehicle Overlap	57	percentage (%)	<a href="#">more</a>

### Case Vehicle Damage Description

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0501	Maximum Sheet Metal Crush - Front	067 cm	Depth of Crush (cm)	<a href="#">more</a>
V0502	Maximum Sheet Metal Crush - Right Side	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0503	Maximum Sheet Metal Crush - Rear	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0504	Maximum Sheet Metal Crush - Left Side	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
	Maximum Sheet Metal Crush			

V0505	- Roof	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0506	Maximum Sheet Metal Crush - Other	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0507	Seq In Chronological Ord	1	Yes	<a href="#">more</a>
V0508	Event 1 -impact Location	3	On Roadside	<a href="#">more</a>
V0509	Event 1 -Impact Configuration	17	FRONT of case veh - object	<a href="#">more</a>
V0510	Event 1 -Object/Vehicle Contactd	77	Sign post, utility pole, tree	<a href="#">more</a>
V0511	Event 2 -impact Location	8	No 2nd event	<a href="#">more</a>
V0512	Event 2 -Impact Configuration	88	No 2nd event	<a href="#">more</a>
V0513	Event 2 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0514	Event 3 -impact Location	8	No 3rd event	<a href="#">more</a>
V0515	Event 3 -Impact Configuration	88	No 3rd event	<a href="#">more</a>
V0516	Event 3 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0517	Event 4 -impact Location	8	No 4th event	<a href="#">more</a>
V0518	Event 4 -Impact Configuration	88	No 4th event	<a href="#">more</a>
V0519	Event 4 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0520	Event 5 -impact Location	8	No 5th event	<a href="#">more</a>
V0521	Event 5 -Impact Configuration	88	No 5th event	<a href="#">more</a>
V0522	Event 5 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0523	Event 6 -impact Location	8	No 6th event	<a href="#">more</a>
V0524	Event 6 -Impact Configuration	88	No 6th event	<a href="#">more</a>
V0525	Event 6 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0526	Event 7 -impact Location	8	No 7th event	<a href="#">more</a>
V0527	Event 7 -Impact Configuration	88	No 7th event	<a href="#">more</a>
V0528	Event 7 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0529	Primary CDC Case Vehicle - event Number	1	Event 1	<a href="#">more</a>
	Primary CDC Case Vehicle -			

V0530	Impact Speed (kph)	999	Unknown	<a href="#">more</a>
V0531	Primary CDC Case Vehicle-estimatr	1	Investigator	<a href="#">more</a>
V0532	Primary CDC Case Vehicle - Crush (CM)	067	Crush measurements in cm	<a href="#">more</a>
V0533	Primary CDC Case Vehicle-clock #1	12	12 o'clock	<a href="#">more</a>
V0534	Primary CDC Case Vehicle-Letter 1 #1	06	F - Front	<a href="#">more</a>
V0535	Primary CDC Case Vehicle-Letter 2 #1	26	Z - Side or end (B + P or R + C)	<a href="#">more</a>
V0536	Primary CDC Case Vehicle-Letter 3 #1	05	E - Everything below belt line	<a href="#">more</a>
V0537	Primary CDC Case Vehicle-Letter 4 #1	23	W - Wide impact area	<a href="#">more</a>
V0538	Primary CDC Case Vehicle - Extent #1	3	—	—
V0539	Primary CDC - Contacted Vehicles Assoc CDC - CDC #1	12FZEW3	—	—
V0540	Primary CDC Case Vehicle-clock #2	98	Not Applicable	<a href="#">more</a>
V0541	Primary CDC Case Vehicle-Letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0542	Primary CDC Case Vehicle-Letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0543	Primary CDC Case Vehicle-Letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0544	Primary CDC Case Vehicle-Letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0545	Primary CDC Case Vehicle - Extent #2	0	—	—
V0546	Primary CDC - Case Vehicle Assoc CDC - CDC #2	9800000	—	—
V0547	Primary CDC Contacted Vehicle - Impact Speed (kph)	998	Not Applicable	<a href="#">more</a>
V0548	Primary CDC Contacted Vehicle-estimator	8	Not applicable (no vehicle/no impact)	<a href="#">more</a>
V0549	Primary CDC Contacted Vehicle - Crush (CM)	998	Not Applicable	<a href="#">more</a>
V0550	Primary CDC Contacted Vehicle-clock #1	98	Not Applicable	<a href="#">more</a>
V0551	Primary CDC Contacted	00	Missing Data/Not applicable	<a href="#">more</a>



	Vehicle-Letter 1 #1			
V0552	Primary CDC Contacted Vehicle-Letter 2 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0553	Primary CDC Contacted Vehicle-Letter 3 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0554	Primary CDC Contacted Vehicle-Letter 4 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0555	Primary CDC Contacted Vehicle - Extent #1	0	—	—
V0556	primary CDC - Contacted Vehicles Assoc CDC - CDC #1	9800000	—	—
V0557	Primary CDC Contacted Vehicle-clock #2	98	Not Applicable	<a href="#">more</a>
V0558	Primary CDC Contacted Vehicle-Letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0559	Primary CDC Contacted Vehicle-Letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0560	Primary CDC Contacted Vehicle-Letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0561	Primary CDC Contacted Vehicle-Letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0562	Primary CDC Contacted Vehicle - Extent #2	0	—	—
V0563	Primary CDC - Contacted Vehicles Assoc CDC - CDC #2	9800000	—	—
V0564	Secondary CDC Case Vehicle-event No	8	Not applicable	<a href="#">more</a>
V0565	Secondary CDC Case Vehicle - Impact Speed (kph)	998	Not Applicable	<a href="#">more</a>
V0566	Secondary CDC Case Vehicle-estimator	8	Not applicable (no vehicle/no impact)	<a href="#">more</a>
V0567	Secondary CDC Case Vehicle - Crush (CM)	998	Not Applicable	<a href="#">more</a>
V0568	Secondary CDC Case Vehicle-clock #1	98	Not Applicable	<a href="#">more</a>
V0569	Secondary CDC Case Vehicle-Letter 1 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0570	Secondary CDC Case Vehicle-Letter 2 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0571	Secondary CDC Case Vehicle-Letter 3 #1	00	Missing Data/Not applicable	<a href="#">more</a>

V0572	Secondary CDC Case Vehicle-Letter 4 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0573	SECONDARY CDC CASE VEHICLE - EXTENT #1	0	—	—
V0574	Secondary CDC - Case Vehicle Assoc CDC - CDC #1	9800000	—	—
V0575	Secondary CDC Case Vehicle-clock #2	98	Not Applicable	<a href="#">more</a>
V0576	Secondary CDC Case Vehicle-Letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0577	Secondary CDC Case Vehicle-Letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0578	Secondary CDC Case Vehicle-Letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0579	Secondary CDC Case Vehicle-Letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0580	SECONDARY CDC CASE VEHICLE - EXTENT #2	0	—	—
V0581	Secondary CDC - Case Vehicle Assoc CDC - CDC #2	9800000	—	—
V0582	Secondary CDC Contacted Vehicle - Impact Speed (kph)	998	Not Applicable	<a href="#">more</a>
V0583	Secondary CDC Contacted Vehicle-estimator	8	Not applicable (no vehicle/no impact)	<a href="#">more</a>
V0584	Secondary CDC Contacted Vehicle - Crush (CM)	998	Not Applicable	<a href="#">more</a>
V0585	Secondary CDC Contacted Vehicle-clock #1	98	Not Applicable	<a href="#">more</a>
V0586	Secondary CDC Contacted Vehicle-Letter 1 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0587	Secondary CDC Contacted Vehicle-Letter 2 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0588	Secondary CDC Contacted Vehicle-Letter 3 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0589	Secondary CDC Contacted Vehicle-Letter 4 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0590	Secondary CDC Contacted Vehicle - Extent #1	0	—	—
V0591	Secondary CDC - Contacted Vehicle Assoc CDC - CDC #1	9800000	—	—
	Secondary CDC Contacted			

V0592	Vehicle-clock #2	98	Not Applicable	<a href="#">more</a>
V0593	Secondary CDC Contacted Vehicle-Letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0594	Secondary CDC Contacted Vehicle-Letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0595	Secondary CDC Contacted Vehicle-Letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0596	Secondary CDC Contacted Vehicle-Letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0597	Secondary CDC Contacted Vehicle - Extent #2	0	—	—
V0598	Secondary CDC - Contacted Vehicle Assoc CDC - CDC #2	9800000	—	—

## Crash Reconstruction

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0601	Primary Delta-V Case Vehicle-event #	1	Event number 1	<a href="#">more</a>
V0602	Primary Delta V Case Vehicle - Total Delta V	039 kph	kph	<a href="#">more</a>
V0603	Primary delta-V Case Vehicle -LONGITUD	-039	—	—
V0604	Primary delta-V Case Vehicle-Lateral	0000	—	—
V0605	Primary Delta V Case Vehicle - Energy Dissipated by Crush (k	0104	—	—
V0606	Primary Delta-V Case Vehicle-Reconstruction	22	Reconstructed, moderate confidence level	<a href="#">more</a>
V0607	Primary Delta-V Case Vehicle- Mode	2	CDC & detailed damage	<a href="#">more</a>
V0608	Primary Delta V Contacted Vehicle - Total Delta V	888	Not Applicable	<a href="#">more</a>
V0609	Primary delta-V Contacted Vehicle-LONGITUD	8888	—	—
V0610	Primary delta-V Contacted Vehicle-Lateral	8888	—	—
V0611	Primary delta-V Contacted Vehicle - Energy Dissipated by Cru	8888	—	—

V0612	Secondary Delta-V Case Vehicle-event #	8	Not applicable	<a href="#">more</a>
V0613	Secondary Delta V Case Vehicle - Total Delta V	888	Not applicable	<a href="#">more</a>
V0614	Secondarydelta-V Case Vehicle -LONGITUD	8888	—	—
V0615	Secondary delta-V Case Vehicle-Lateral	8888	—	—
V0616	Secondary delta-V Case Vehicle - Energy Dissipated by Crush	8888	—	—
V0617	Secondary Delta-V Case Vehicle-Reconstruction	88	Not applicable	<a href="#">more</a>
V0618	Secondary Delta-V Case Vehicle- Mode	8	Not applicable	<a href="#">more</a>
V0619	Secondary Delta V Contacted Vehicle - Total Delta V	888	Not applicable	<a href="#">more</a>
V0620	Secondary delta-V Contacted Vehicle-LONGITUD	8888	—	—
V0621	Secondary delta-V Contacted Vehicle-Lateral	8888	—	—
V0622	Secondary delta-V Contacted Vehicle - Energy Dissipated By C	8888	—	—
V0623	Primary EBS Case Vehicle-event #	1	Event number 1	<a href="#">more</a>
V0624	Primary EBS Case Vehicle - Total EBS	039 kph	kph	<a href="#">more</a>
V0625	Primary EBS Case Vehicle - LONGITUD	-039	—	—
V0626	Primary EBS Case Vehicle-Lateral	0000	—	—
V0627	Primary EBS Case Vehicle - Energy Dissipated by Crush (kj)	0104	—	—
V0628	Primary EBS Case Vehicle-Reconstruction	22	Reconstructed, moderate confidence level	<a href="#">more</a>
V0629	Primary EBS Case Vehicle-Mode	2	CDC & detailed damage	<a href="#">more</a>
V0630	Primary EBS Contacted Vehicle - Total EBS	888	Not Applicable	<a href="#">more</a>
V0631	Primary EBS Contacted Vehicle-LONGITUD	8888	—	—
	Primary EBS Contacted			

V0632	Vehicle-Lateral	8888	—	—
V0633	Primary EBS Contact Vehicle - Energy Dissipated by Crush (kj)	8888	—	—
V0634	Secondary EBS Case Vehicle-event #	8	Not applicable	<a href="#">more</a>
V0635	Secondary EBS Case Vehicle - Total EBS	888	Not Applicable	<a href="#">more</a>
V0636	Secondary EBS Case Vehicle -LONGITUD	8888	—	—
V0637	Secondary EBS Case Vehicle-Lateral	8888	—	—
V0638	Secondary EBS Case Vehicle - Energy Dissipated by Crush (kj)	8888	—	—
V0639	Secondary EBS Case Vehicle-Reconstruction	88	Not applicable	<a href="#">more</a>
V0640	Secondary EBS Case Vehicle- Mode	8	Not applicable	<a href="#">more</a>
V0641	Secondary EBS Contacted Vehicle - Total EBS	888	Not Applicable	<a href="#">more</a>
V0642	Secondary EBS Contacted Vehicle-LONGITUD	8888	—	—
V0643	Secondary EBS Contacted Vehicle-Lateral	8888	—	—
V0644	Secondary EBS Contact Vehicle - Energy Dissipated by Crush (	8888	—	—
V0645	Specific Event # Case(1)	1	Event number 1	<a href="#">more</a>
V0646	Plane of Impact Case Vehicle (1)	1	Bumper	<a href="#">more</a>
V0647	Direct Damage Length (DDL) - Case Vehicle (1)	093 cm	cm	<a href="#">more</a>
V0648	Direct Damage Maximum Crush - Case Vehicle (1)	067 cm	cm	<a href="#">more</a>
V0649	Direct and Induced Damage Length in CM	120 cm	cm	<a href="#">more</a>
V0650	Field C1 - Case Vehicle (1)	000 cm	No Crush	<a href="#">more</a>
V0651	Field C2 - Case Vehicle (1)	000 cm	No Crush	<a href="#">more</a>
V0652	Field C3 - Case Vehicle (1)	018 cm	cm	<a href="#">more</a>
V0653	Field C4 - Case Vehicle (1)	041 cm	cm	<a href="#">more</a>
V0654	Field C5 - Case Vehicle (1)	067 cm	cm	<a href="#">more</a>
V0655	Field C6 - Case Vehicle (1)	045 cm	cm	<a href="#">more</a>

V0656	Direct Damage D Value = The Center of Direct Damage Offset t	+034 cm	Offset (cm)	<a href="#">more</a>
V0657	Specific Event # Case(2)	1	Event number 1	<a href="#">more</a>
V0658	Plane of Impact Case Vehicle (2)	1	Bumper	<a href="#">more</a>
V0659	Direct Damage Length (DDL) - Case Vehicle (2)	093 cm	cm	<a href="#">more</a>
V0660	Direct Damage MaximumCrush - Case Vehicle (2)	067 cm	cm	<a href="#">more</a>
V0661	Direct and Induced Damage Length in CM	120 cm	cm	<a href="#">more</a>
V0662	Field C1 - Case Vehicle (2)	000 cm	No Crush	<a href="#">more</a>
V0663	Field C2 - Case Vehicle (2)	000 cm	No Crush	<a href="#">more</a>
V0664	Field C3 - Case Vehicle (2)	018 cm	cm	<a href="#">more</a>
V0665	Field C4 - Case Vehicle (2)	041 cm	cm	<a href="#">more</a>
V0666	Field C5 - Case Vehicle (2)	067 cm	cm	<a href="#">more</a>
V0667	Field C6 - Case Vehicle (2)	045 cm	cm	<a href="#">more</a>
V0668	Direct Damage D Value = The Center of Direct Damage Offset t	+034 cm	cm	<a href="#">more</a>
V0669	Specific Event # Cont(1)	9	Unknown	<a href="#">more</a>
V0670	Plane of Impact Contacted Vehicle(1)	9	Unknown	<a href="#">more</a>
V0671	Direct Damage Length (DDL) - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0672	Direct Damage Maximum Crush - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0673	Field L - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0674	Field C1 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0675	Field C2 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0676	Field C3 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0677	Field C4 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0678	Field C5 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>

V0679	Field C6 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0680	Direct Damage D Value = The Center of Direct Damage Offset t	9999	offset (cm)	<a href="#">more</a>
V0681	Specific Event # Contacted Vehicle (2)	9	Unknown	<a href="#">more</a>
V0682	Plane of Impact Contacted Vehicle(2)	9	Unknown	<a href="#">more</a>
V0683	Direct Damage Length (DDL) - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0684	Direct Damage Maximum Crush - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0685	Direct and Induced Damage Length in CM	999	Unknown	<a href="#">more</a>
V0686	Field C1 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0687	Field C2 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0688	Field C3 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0689	Field C4 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0690	Field C5 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0691	Field C6 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0692	Direct Damage D Value = The Center of Direct Damage Offset t	9999	Offset (cm)	<a href="#">more</a>

## Case Vehicle Tires & Rims

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0701	Left Front Wheel Damaged	0	No	<a href="#">more</a>
V0702	Right Front Wheel Damaged	0	No	<a href="#">more</a>
V0703	Right Rear Wheel Damaged	0	No	<a href="#">more</a>
V0704	Left Rear Wheel Damaged	0	No	<a href="#">more</a>
V0705	Left Front Tire Tread Type	4	All Weather	<a href="#">more</a>
V0706	Right Front Tire Tread Type	4	All Weather	<a href="#">more</a>

V0707	Right Rear Tire Tread Type	4	All Weather	<a href="#">more</a>
V0708	Left Rear Tire Tread Type	4	All Weather	<a href="#">more</a>
V0709	Left Front Carcass Construction	3	Radial	<a href="#">more</a>
V0710	Right Front Carcass Construction	3	Radial	<a href="#">more</a>
V0711	Right Rear Carcass Construction	3	Radial	<a href="#">more</a>
V0712	Left Rear Carcass Construction	3	Radial	<a href="#">more</a>
V0713	Left Front Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0714	Right Front Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0715	Right Rear Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0716	Left Rear Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0717	Left Front Tire Condition Postcrash	0	Normal - no damage to tire	<a href="#">more</a>
V0718	Right Front Tire Condition Postcrash	2	Completely deflated	<a href="#">more</a>
V0719	Right Rear Tire Condition Postcrash	0	Normal - no damage to tire	<a href="#">more</a>
V0720	Left Rear Tire Condition Postcrash	0	Normal - no damage to tire	<a href="#">more</a>
V0721	Left Front Tire Involvement	0	No	<a href="#">more</a>
V0722	Right Front Tire Involvement	0	No	<a href="#">more</a>
V0723	Right Rear Tire Involvement	0	No	<a href="#">more</a>
V0724	Left Rear Tire Involvement	0	No	<a href="#">more</a>
V0725	Left Front Tire Size	P21560R16	—	—
V0726	Right Front Tire Size	P21560R16	—	—
V0727	Right Rear Tire Size	P21560R16	—	—
V0728	Left Rear Tire Size	P21560R16	—	—
V0729	Left Front Tire Pressure (recorded in psi)	26.0 psi	Actual tire pressure in psi	<a href="#">more</a>
V0730	Right Front Tire Pressure (recorded in psi)	00.0 psi	Actual tire pressure in psi	<a href="#">more</a>
V0731	Right Rear Tire Pressure (recorded in psi)	31.5 psi	Actual tire pressure in psi	<a href="#">more</a>
	Left Rear Tire Pressure			



V0732	(recorded in psi)	32.5 psi	Actual tire pressure in psi	<a href="#">more</a>
V0733	Left Front Tread Depth	08	08/32"	<a href="#">more</a>
V0734	Right Front Tread Depth	07	07/32"	<a href="#">more</a>
V0735	Right Rear Tread Depth	09	09/32"	<a href="#">more</a>
V0736	Left Rear Tread Depth	09	09/32"	<a href="#">more</a>

### Case Vehicle Fuel Tank

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0801	Propulsive Fuel Type	1	Gasoline	<a href="#">more</a>
V0802	Main Tank Location	322	Within frame/centered laterally - within vertical	<a href="#">more</a>
V0803	Main Filler Cap Location	113	Left of frame laterally - above vertically	<a href="#">more</a>
V0804	Main Tank Material	1	Steel	<a href="#">more</a>
V0805	Aux Tank Type	8	Not applicable (not equipped)	<a href="#">more</a>
V0806	Aux Tank Location	888	Not applicable (not equipped)	<a href="#">more</a>
V0807	Aux Filler Cap Location	888	Not applicable (not equipped)	<a href="#">more</a>
V0808	Aux Tank Material	8	Not applicable	<a href="#">more</a>

### Case Vehicle Fuel Leakage

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0901	Fuel Leakage From Crash	0	No	<a href="#">more</a>

### Case Vehicle Fire

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V1001	Fire In Or On Case Vehicle	0	No	<a href="#">more</a>

### Case Vehicle Exterior

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V1101	Hood Latch Released	0	No	<a href="#">more</a>
V1102	Hood Latch Damaged	1	Yes	<a href="#">more</a>
		1		

V1103	Hood Latch Jammed		Yes	<a href="#">more</a>
V1104	Left Hood Hinge Damaged	0	No	<a href="#">more</a>
V1105	Left Hood Hinge Separated	8	Not applicable	<a href="#">more</a>
V1106	Right Hood Hinge Damaged	1	Yes	<a href="#">more</a>
V1107	Right Hood Hinge Separated	0	No	<a href="#">more</a>
V1108	Hood Remained On Vehicle	1	Yes	<a href="#">more</a>
V1109	Rear Hood Edge Elevated	1	Yes	<a href="#">more</a>
V1110	Edge Contacted Windshield	1	Yes	<a href="#">more</a>
V1111	Edge Penetrated Windshield	0	No	<a href="#">more</a>
V1112	Hood Latch Location	1	Front of Vehicle	<a href="#">more</a>
V1113	Eng/transmissn Mount Separated	0	No	<a href="#">more</a>
V1114	Steering Column Flex Couplng	9	Unknown if equipped	<a href="#">more</a>
V1115	Steering Column Coupling Dam	9	Unknown	<a href="#">more</a>
V1116	Steering Column Coupling Separated	9	Unknown	<a href="#">more</a>
V1117	Eng Comp Telescopng Unit	88	Not currently collected	<a href="#">more</a>
V1118	Compartment Unit's Original/telescoped Length Difference	888	Not currently collected	<a href="#">more</a>
V1119	Left Side Body Mount Separated	8	Not applicable (unitized)	<a href="#">more</a>
V1120	Upper Left A-pillar Sep	0	No	<a href="#">more</a>
V1121	Lower Left A-pillar Sep	0	No	<a href="#">more</a>
V1122	Upper Left B-pillar Sep	0	No	<a href="#">more</a>
V1123	Lower Left B-pillar Sep	0	No	<a href="#">more</a>
V1124	Upper Left C-pillar Sep	0	No	<a href="#">more</a>
V1125	Lower Left C-pillar Sep	0	No	<a href="#">more</a>
V1126	Upper Left D-pillar Sep	8	Not applicable (not equipped)	<a href="#">more</a>
V1127	Lower Left D-pillar Sep	8	Not applicable (not equipped)	<a href="#">more</a>
V1128	Left Front Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1129	Left Rear Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1130	Left Front Door Jammed Closed	0	No	<a href="#">more</a>
V1131	Left Rear Door Jammed Closed	0	No	<a href="#">more</a>
V1132	Van Left Rear Door Type	8	Not applicable (not a van)	<a href="#">more</a>

V1133	Left Front Glazing Availability	2	Closed	<a href="#">more</a>
V1134	Left Rear Glazing Availability	2	Closed	<a href="#">more</a>
V1135	Lr2 Glazing Availability	1	Fixed	<a href="#">more</a>
V1136	Left Front Glazing Damage	0	No damage	<a href="#">more</a>
V1137	Left Rear Glazing Damage	0	No damage	<a href="#">more</a>
V1138	Lr2 Glazing Damage	0	No damage	<a href="#">more</a>
V1139	Rear Door Type	0	No door (includes pickups)	<a href="#">more</a>
V1140	Rear Door Opening Cause	8	Not applicable (no rear door)	<a href="#">more</a>
V1141	Rear Door Jammed Closed	8	Not applicable (no rear door)	<a href="#">more</a>
V1142	Rear Glazng Availability	8	Not Applicable (No Door)	<a href="#">more</a>
V1143	Rear Glazing Damage	8	Not Applicable (No Door)	<a href="#">more</a>
V1144	Luggage Partition Damaged	0	No	<a href="#">more</a>
V1145	Spare Tire Status	8	Not collected	<a href="#">more</a>
V1146	Trailer Hitch Type	0	No hitch	<a href="#">more</a>
V1147	Trailer Type	0	No trailer	<a href="#">more</a>
V1148	Rght Side Body Mount Separated	8	Not applicable (unitized)	<a href="#">more</a>
V1149	Upper Right A-pillar Separated	4	No separation, but damaged	<a href="#">more</a>
V1150	Lower Right A-pillar Separated	4	No separation, but damaged	<a href="#">more</a>
V1151	Upper Right B-pillar Separated	0	No	<a href="#">more</a>
V1152	Lower Right B-pillar Separated	0	No	<a href="#">more</a>
V1153	Upper Right C-pillar Separated	0	No	<a href="#">more</a>
V1154	Lower Right C-pillar Separated	0	No	<a href="#">more</a>
V1155	Upper Right D-pillar Separated	8	Not applicable (not equipped)	<a href="#">more</a>
V1156	Lower Right D-pillar Separated	8	Not applicable (not equipped)	<a href="#">more</a>
V1157	Right Front Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1158	Right Rear Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1159	Right Front Door Jammed Closed	0	No	<a href="#">more</a>

V1160	Right Rear Door Jammed Closed	0	No	<a href="#">more</a>
V1161	Van Right-rear Door Type	8	Not applicable (not a van)	<a href="#">more</a>
V1162	Right Front Glazing Availability	2	Closed	<a href="#">more</a>
V1163	Right Rear Glazing Availability	2	Closed	<a href="#">more</a>
V1164	Rr2 Glazing Availability	1	Fixed	<a href="#">more</a>
V1165	Right Front Glazing Damage	0	No damage	<a href="#">more</a>
V1166	Right Rear Glazing Damage	0	No damage	<a href="#">more</a>
V1167	Rr2 Glazing Damage	0	No damage	<a href="#">more</a>
V1168	Windshield Cracked	1	Yes	<a href="#">more</a>
V1169	Windshield Broken	1	Yes <a href="#">Click for Windshield Damage figure</a>	<a href="#">more</a>
V1170	Occupant Cracked/Broke Wndshld	0	No	<a href="#">more</a>
V1171	Bond Separation Extent	0	None	<a href="#">more</a>
V1172	Windshield Code	97	<a href="#">Click for Windshield Mark figure</a>	<a href="#">more</a>
V1173	Did Sun Roof/T-Roof Open	0	No	<a href="#">more</a>

### Case Vehicle Steering Column/Rim

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V1201	Steering Wheel Rim Damage	3	Broken	<a href="#">more</a>
V1202	Number of Steering Wheel Spokes	4	4 spokes	<a href="#">more</a>
V1203	Steering Wheel Spoke Damage	3	Broken	<a href="#">more</a>
V1204	Steering Wheel Hub Damage	1	Occupant contact	<a href="#">more</a>
V1205	Steering Wheel Location of Rim Damage	5	Entire steering wheel rim collapse	<a href="#">more</a>
V1206	Aftermarket Add-on Device	0	None	<a href="#">more</a>
V1207	Column Tilt Feature	2	Up	<a href="#">more</a>
V1208	Column Swing-away Feature	0	Not equipped	<a href="#">more</a>
V1209	Column Telescoping Feature	0	Not equipped	<a href="#">more</a>
V1210	Wheel Energy Absorb Device	8	Not currently collected	<a href="#">more</a>
V1211	Wheel EA Device's original/damage Dimension Difference	888	Not collected	<a href="#">more</a>

V1212	Column Energy Absorb Device	88	Not collected	<a href="#">more</a>
V1213	Col EA Device's Orig/compressed (or Extruded) Length Diff	888	Not collected	<a href="#">more</a>
V1214	Shear Capsule Separation	888	Not collected	<a href="#">more</a>
V1215	Column Vertical Rotation	1	Upward apparent rotation	<a href="#">more</a>
V1216	Column Lateral Rotation	2	Right apparent rotation	<a href="#">more</a>

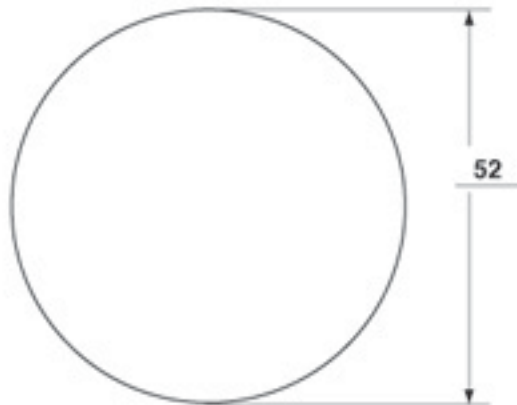
## Case Vehicle Intrusion

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V1301	Was Occupant Compartment Intruded	1	Yes <a href="#">Click for Intrusion Worksheet figure</a> <a href="#">Click for Intrusion figure</a>	<a href="#">more</a>
V1302	Was Intrusn Catastrophic	0	No	<a href="#">more</a>
V1303	Intrusion Number #1	01	Intrusion #1	<a href="#">more</a>
V1304	Occupant Space Number(1)	13	First row, Right seat	<a href="#">more</a>
V1305	Intrud Component/obj (1)	28	Transmission tunnel (hump)	<a href="#">more</a>
V1306	Associate Event Numb (1)	1	Event #1	<a href="#">more</a>
V1307	Maximum Intrusion X Axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1308	Maximum Intrusion Y Axis	16 cm	Intrusion (cm)	<a href="#">more</a>
V1309	Maximum Intrusion Z Axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1310	Occupant Number #1 (1)	00	No contact or no intrusion	<a href="#">more</a>
V1311	Injury Number #1 (1)	00	No injury or no intrusion	<a href="#">more</a>
V1312	Occupant Number #2 (1)	00	No contact or no intrusion	<a href="#">more</a>
V1313	Injury Number #2 (1)	00	No injury or no intrusion	<a href="#">more</a>
V1314	Intrusion Number #2	02	Intrusion #2	<a href="#">more</a>
V1315	Occupant Space Number(2)	13	First row, Right seat	<a href="#">more</a>
V1316	Intrud Component/obj (2)	29	Side footwell panel (kickpanel)	<a href="#">more</a>
V1317	Associate Event Numb (2)	1	Event #1	<a href="#">more</a>
V1318	Maximum Intrusion X Axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1319	Maximum Intrusion Y Axis	15 cm	Intrusion (cm)	<a href="#">more</a>
V1320	Maximum Intrusion Z Axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1321	Occupant Number #1 (2)	00	No contact or no intrusion	<a href="#">more</a>
V1322	Injury Number #1 (2)	00	No injury or no intrusion	<a href="#">more</a>
V1323	Occupant Number #2 (2)	00	No contact or no intrusion	<a href="#">more</a>
V1324	Injury Number #2 (2)	00	No injury or no intrusion	<a href="#">more</a>
V1325	Intrusion Number #3	03	Intrusion #3	<a href="#">more</a>
V1326	Occupant Space Number(3)	13	First row, Right seat	<a href="#">more</a>

V1327	Intrud Component/obj (3)	03	Toe pan	<a href="#">more</a>
V1328	Associate Event Numb (3)	1	Event #1	<a href="#">more</a>
V1329	Maximum Intrusion X Axis	09 cm	Intrusion (cm)	<a href="#">more</a>
V1330	Maximum Intrusion Y Axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1331	Maximum Intrusion Z Axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1332	Occupant Number #1 (3)	00	No contact or no intrusion	<a href="#">more</a>
V1333	Injury Number #1 (3)	00	No injury or no intrusion	<a href="#">more</a>
V1334	Occupant Number #2 (3)	00	No contact or no intrusion	<a href="#">more</a>
V1335	Injury Number #2 (3)	00	No injury or no intrusion	<a href="#">more</a>
V1336	Intrusion Number #4	04	Intrusion #4	<a href="#">more</a>
V1337	Occupant Space Number(4)	13	First row, Right seat	<a href="#">more</a>
V1338	Intrud Component/obj (4)	01	Instrument panel	<a href="#">more</a>

Driver Airbag

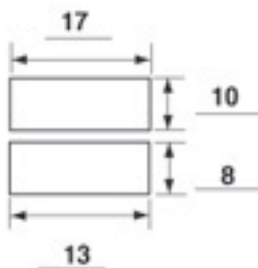


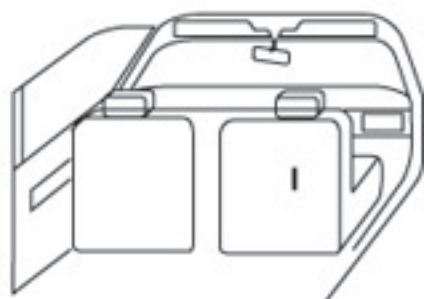
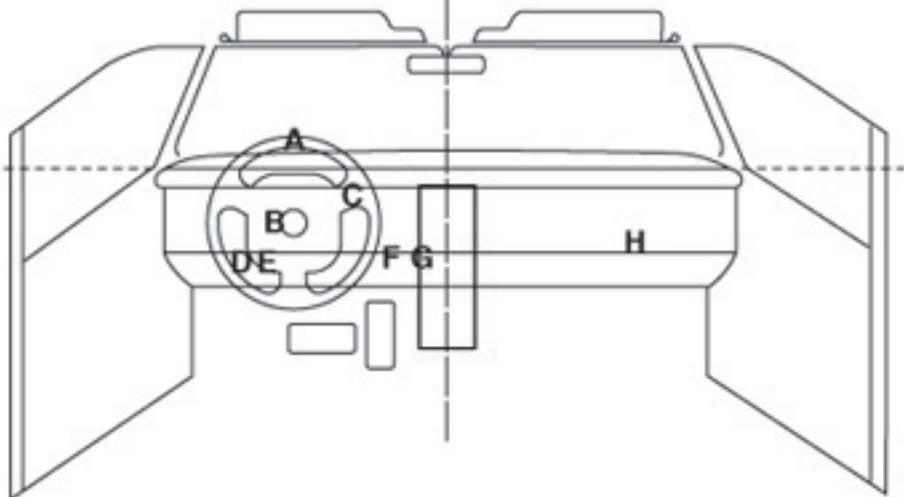
Vents:  Y  N  
if yes, how many: 2

1 and 11 o'clock

Tethers:  Y  N  
if yes, how many: 2

Driver Airbag Doors





- A** = upper half of steering-wheel rim, displaced forward
- B** = steering-wheel hub, cracked
- C** = steering-wheel spokes, broken
- D** = knee bolster left of steering column, scuffmark
- E** = steering column, scuffmark
- F** = knee bolster right of steering column, scuffmark
- G** = vertical console, deflected forward and scuffmark
- H** = glove box door, scuffmark
- I** = right-front seatback, dented



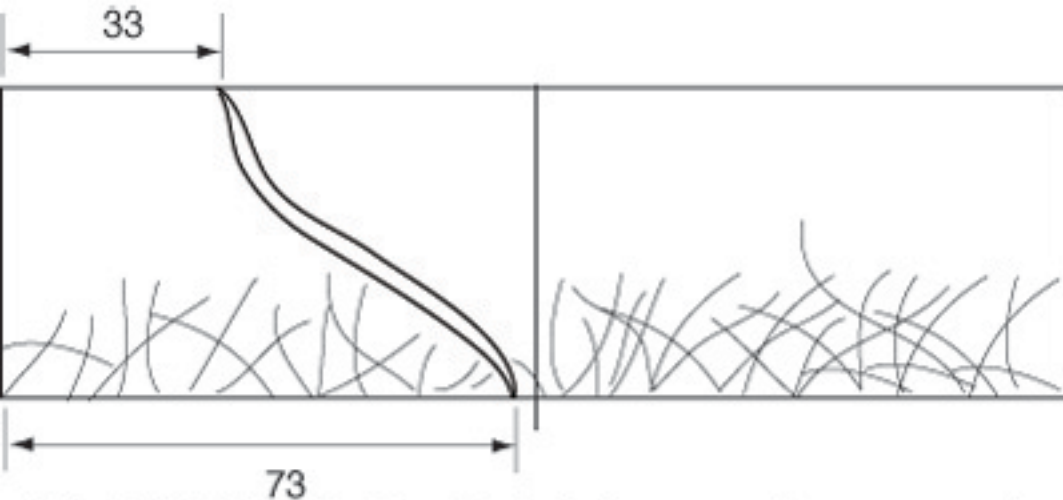
1 = Definitely 2 = Probably 3 = Possible

INTRUSION IT-1

Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)					Dominant Crush Direction
		Comparison Value	–	Intruded Value	=	Intrusion	
13	Toepan	123	–	112	=	9	Rear
13	Kick panel	53	–	38	=	15	Left
13	Transmission tunnel	64	–	48	=	16	Right
13	Instrument panel	68	–	62	=	6	Rear
			–		=		
			–		=		
			–		=		
			–		=		

OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Steering wheel rim	DR		Displaced forward	1
B	Steering wheel hub	DR		Cracked	1
C	Steering wheel spokes	DR		Broken	1
D	Knee bolster	DR	LX	Scuffmark	1
E	Steering column	DR	LX	Scuffmark	1
F	Knee bolster	DR	LX	Scuffmark	1
G	Vertical console	DR	Rt. LX	Deflected forward and scuffmark	1
H	Glove box door	RF	LX	Scuffmark	1
I	Right-front seatback	RR	Rt. LX	Dented	1



**Windshield cracked and holed due to cowl contact and impact forces**

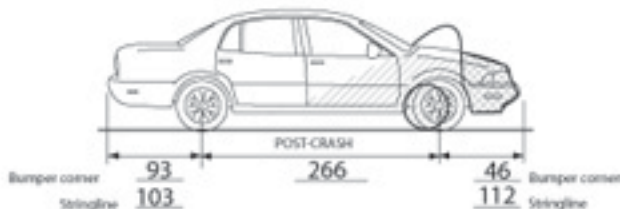
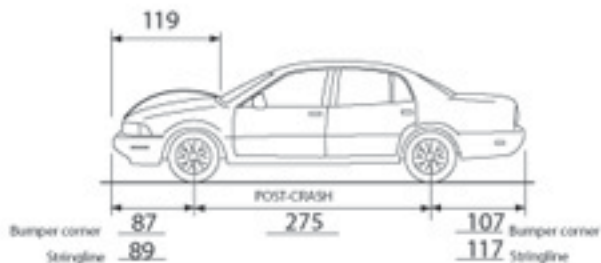
WINDSHIELD MARK ON CASE VEHICLE:

**TOYOTA**  
LAMISAFE  
2 **AP TECH**  
M334 AS1  
**DOT-376**



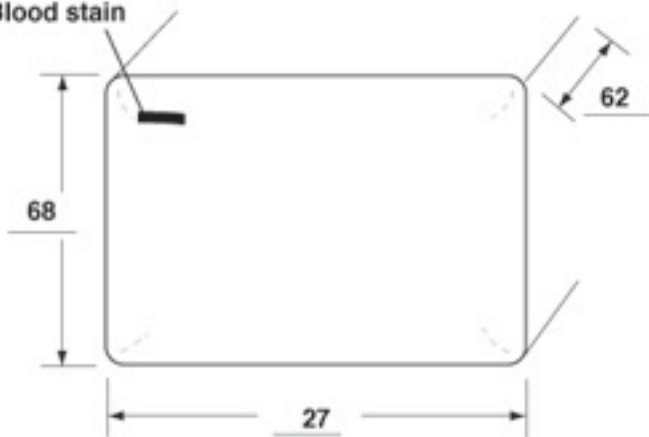
Max. crush is  
inboard from  
right-front  
bumper corner

Width of direct damage to front



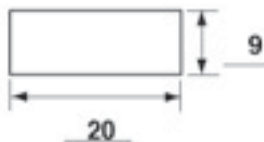
Passenger Airbag

Blood stain



Passenger Airbag Doors

Single Door



Vents:  Y  N

If yes, how many: 2

Tethers:  Y  N

If yes, how many: 2

3 and 9 o'clock on sides

















































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2611-Adhering

COLLISION WRAP  
2611-Adhering

WRAP

COLLISION WRAP  
2611-Adhering











6A-192  
VISION







COLLISION

1 FT & IN 2 3 4 5 6 7 8 9 10  
1 2 3 cm 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26  
MADE IN USA  
F.L. APPD 2010 10  
STUD CENTERS

31181 11/12/10









TEMP

AUTO

OFF

A/C

L

R

FORD

Handwritten notes on a piece of paper, including a date and some illegible text.





904 1278  
2010/11/18 2:00/13

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Insurance

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2011 Chevy Equinox







1 FT & IN

8m/26

MADE IN USA

II


P.R. APP'D 262 TC







**A WARNING AVERTISSEMENT**

 **WARNING**  
No smoking. Smoking is prohibited in this vehicle. Smoking while driving is dangerous. Smoking while driving is illegal in many states. Smoking while driving is a leading cause of traffic fatalities. Smoking while driving is a leading cause of traffic fatalities. Smoking while driving is a leading cause of traffic fatalities.

**AVERTISSEMENT**  
Interdiction de fumer. Fumer est interdit dans ce véhicule. Fumer tout en conduisant est dangereux. Fumer tout en conduisant est illégal dans de nombreux états. Fumer tout en conduisant est une cause majeure de décès par accident de circulation. Fumer tout en conduisant est une cause majeure de décès par accident de circulation. Fumer tout en conduisant est une cause majeure de décès par accident de circulation.

Handwritten orange text on the driver's side window, including "KX" and "9-11".

Handwritten orange text on the passenger side window, including "PSY" and "9-11".

Printed text on the passenger side window, including "Film" and "Interib".



VICTORY LANE  
A SERVICE OF THE

Allstate

3/21/11  
067

SRS SIDE AIRBAG



DRIVER SIDE AIRBAG

THE LATCH INFORMATION  
LATCHES MUST BE USED TO SECURE CHILD SEAT OR BOOST SEAT.  
FOR THE PROPER USE, SEE  
FOR THE LATCH CAPACITY, WEIGHT, AND  
FOR THE SEAT POSITION AND  
FOR THE LATCHING INSTRUCTIONS.

2010 FORD FOCUS SE 4-DR  
VIN: 1FADP3H154LA00000  
MODEL: FOCUS SE  
TRIM: SE  
EXTERIOR COLOR: SILVER  
INTERIOR COLOR: TAN  
DRIVE TYPE: FWD  
SEATING CAPACITY: 5  
GROSS WEIGHT: 4100 LBS  
CARGO WEIGHT: 150 LBS  
CARGO AND PASSENGER WEIGHT: 1500 LBS  
GROSS AXLE WEIGHT - FRONT: 2100 LBS  
GROSS AXLE WEIGHT - REAR: 2000 LBS  
GROSS WEIGHT: 4100 LBS  
CARGO WEIGHT: 150 LBS  
CARGO AND PASSENGER WEIGHT: 1500 LBS  
GROSS AXLE WEIGHT - FRONT: 2100 LBS  
GROSS AXLE WEIGHT - REAR: 2000 LBS



3405428041

SEE USER MANUAL  
FOR THE LATCH INFORMATION  
LATCHES MUST BE USED TO SECURE CHILD SEAT OR BOOST SEAT.  
FOR THE PROPER USE, SEE  
FOR THE LATCH CAPACITY, WEIGHT, AND  
FOR THE SEAT POSITION AND  
FOR THE LATCHING INSTRUCTIONS.









194424  
HLL  
PT

TOYOTA

JET



194424  
ACC #



TOYOTA



CAMRY XLE

Toyota



194424  
ACC ↑















199424  
ACC RT





Heating NPAP - Film

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