VEHICLE TEST SETUP FORM

GENERAL	
TEST NO.	10011
DATE	08/05/2010
TIME	01:30 PM
WEATHER	Sunny
TEST CONFIGURATION	Ford Tauras into Ford Explorer Rear Impact at 70 Percent Engagement
SPEED (KM/H)	112 KM\H
PURPOSE	Preparations for Accident Reconstruction Conference in September

COMMENTS

Speed Trap 1: Front Tire-110.271 km/hr-68.519 mph Rear Tire-108.468 km/hr-67.399 mph

Speed Trap 2: Front Tire109.360 km/hr-67.953 mph Rear Tire 118.930 km/hr-73.899 mph

VEHICLE PARAMETERS

Veh No:	Bullet-Tauras	**Test No:**	10011	**Date:**	08/05/10

Make:	Ford
Model:	Tauras
Year:	2003
Color:	Burgandy to Blue
Engine:	3
Vin No.:	1FAFP55263A177881

Measured Curb mass (Kg)

LF:	464.00
RF:	464.50
LR:	239.50
RR:	217.50

Location of Vehicle CG (cm)

X-Axis (from LF to LR):	103.50
Y-Axis (From LF to RF):	75.80
Z-Axis (From Ground):	43.00

Measured Test Inertial Mass (Kg)

LF:	445.00
RF:	438.50
LR:	275.50
RR:	255.00

Location of CG Accelerometer (cm)

X-Axis (from LF to LR):	87.50
Y-Axis (From LF to RF):	93.20
Z-Axis (From Ground):	32.00

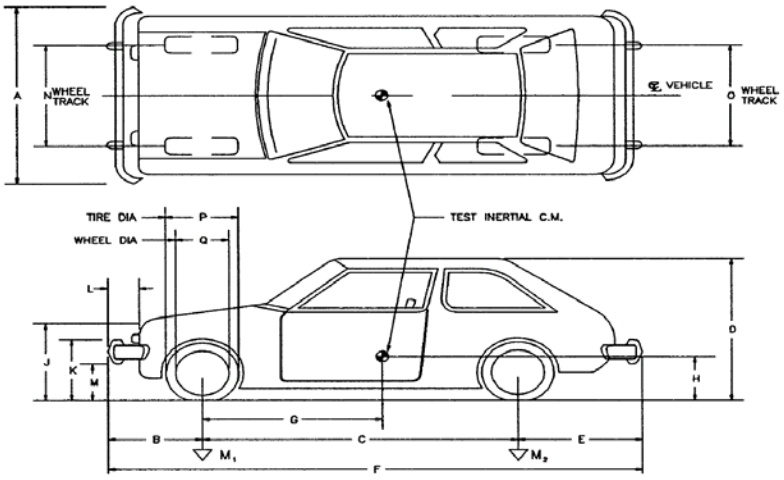
	Items Removed	Mass (Kg)	Added	Mass (Kg)
1	Oil	5.50	Data Acquisition	6.00
2	Coolant	7.00	Battery Box	15.50
3	Transmission Fluid	5.00	Instrument Tray	19.00
4			Brake System	5.50
5				
6				
7				
8				
9				
10				
11				
12				
	Total Mass Removed (Kg) =	17.50	**Total Mass Added (Kg) =**	46.00

Measured Curb Mass =	1,385.50
Removed Total =	17.50
Stripped Vehicle Mass =	1,368.00
Added Mass =	46.00
Calculated Test Inertial Mass =	1,414.00
Measured Test Inertial Mass =	1,414.00

All weights are in Kg

TEST NO.:	10011	**DATE:**	8/5/2010	**ODOMETER:**	131417
MAKE:	Ford	**MODEL:**	Tauras	**YEAR:**	2003
VIN NO.:	1FAFP55263A177881	**TIRE SIZE:**	215 60 R16		
TIRE INFLATION PRESSURE:	32				
MASS DISTRIBUTION (KG):	**LF**	445.00	**RF**	438.50	
	LR	275.00	**RR**	255.00	

DESCRIBE ANY DAMAGE TO VEHICLE PRIOR TO TEST:



Engine Type:	6CYL	**Optional Equipment:**		**Dummy Data:**	
Engine CID:	3			**Type:**	
Transmission Type				**Mass:**	
	[X] **Auto**			**Seat Position:**	
	[ ] **Manual**				

GEOMETRTY - (CM)

A	178.50	**D**	145.00	**G**	87.50	**K**	55.00	**N**	155.20	**Q**	43.80
B	99.00	**E**	117.00	**H**	32.00	**L**	10.80	**O**	157.00	**R**	
C	276.00	**F**	492.00	**J**	72.50	**M**	28.20	**P**	63.50	**S**	

MASS - (KG)	**CURB**	**TEST INERTIAL**	**GROSS STATIS**
M1	928.50	883.50	
M2	457.00	530.00	
M3	1,385.50	1,414.00	

VEHICLE PARAMETERS

Veh No: Target-Explorer **Test No:** 10011 **Date:** 08/05/10

Make: Ford
Model: Explorer
Year: 1995
Color: Red
Engine: 4
Vin No.: 1FMCV24X65SUB74635

Measured Curb mass (Kg)
LF: 488.50
RF: 453.50
LR: 408.50
RR: 371.50

Location of Vehicle CG (cm)
X-Axis (from LF to LR): 118.70
Y-Axis (From LF to RF): 68.80
Z-Axis (From Ground): 34.10

Measured Test Inertial Mass (Kg)
LF: 515.00
RF: 466.50
LR: 439.50
RR: 391.00

Location of CG Accelerometer (cm)
X-Axis (from LF to LR): 95.30
Y-Axis (From LF to RF): 75.50
Z-Axis (From Ground): 61.50

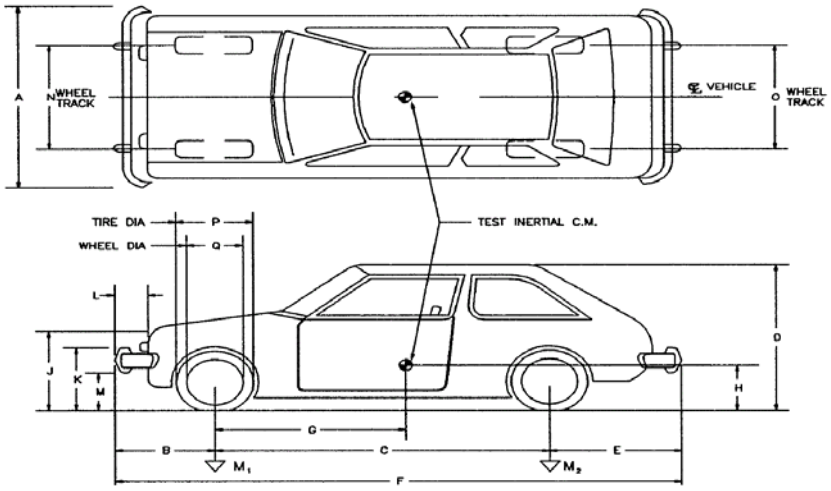
	Items Removed	Mass (Kg)	Added	Mass (Kg)
1	Oil	4.00	Battery Box	15.00
2	Trans Fluid	3.50	Data Acquisition	6.00
3	Antifreeze	10.50	Brake System	5.50
4			Dummy	81.50
5				
6				
7				
8				
9				
10				
11				
12				
	Total Mass Removed (Kg) =	18.00	**Total Mass Added (Kg) =**	108.00

Measured Curb Mass = 1,722.00
Removed Total = 18.00
Stripped Vehicle Mass = 1,704.00
Added Mass = 108.00
Calculated Test Inertial Mass = 1,812.00
Measured Test Inertial Mass = 1,812.00

All weights are in Kg

TEST NO.:	10011	**DATE:**	8/5/2010	**ODOMETER:**	203660
MAKE:	Ford	**MODEL:**	Explorer	**YEAR:**	1995
VIN NO.:	1FMCU24X6SUB74635	**TIRE SIZE:**	P235 75R15		
TIRE INFLATION PRESSURE:	32				
MASS DISTRIBUTION (KG):	**LF**	515.00	**RF**	466.50	
	LR	439.50	**RR**	391.00	

DESCRIBE ANY DAMAGE TO VEHICLE PRIOR TO TEST:



Engine Type:	6 CYL	**Optional Equipment:**		**Dummy Data:**	
Engine CID:	4			**Type:**	
Transmission Type				**Mass:**	
	[X] **Auto**			**Seat Position:**	
	[ ] **Manual**				

GEOMETRTY - (CM)

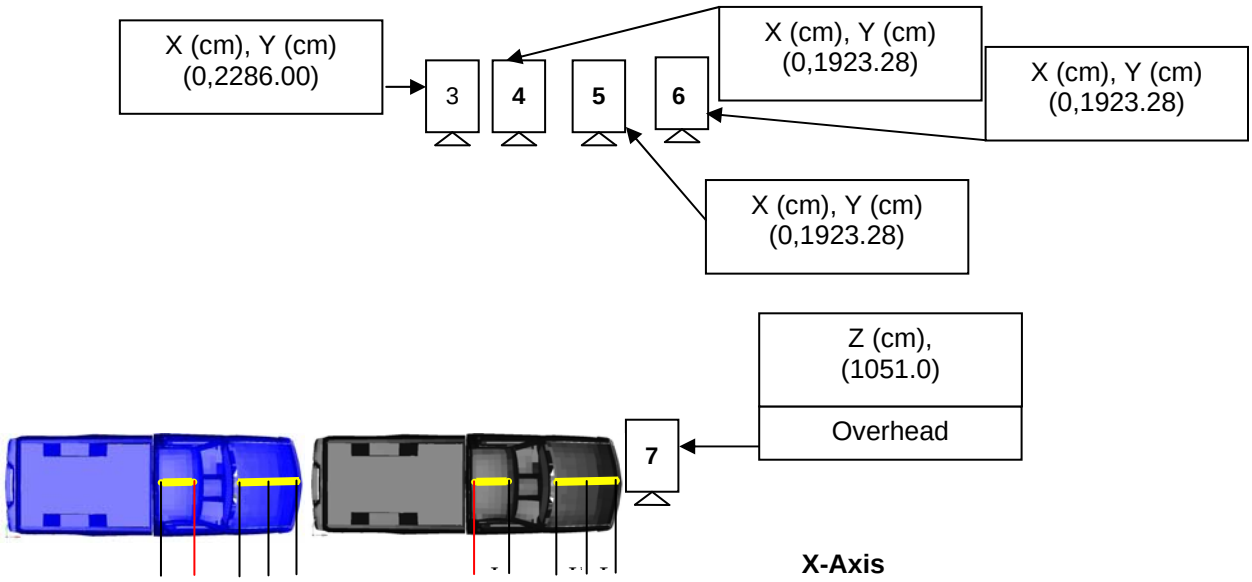
A	172.00	**D**	169.50	**G**	95.30	**K**	65.30	**N**	145.50	**Q**	41.60
B	80.20	**E**	102.30	**H**	61.50	**L**	8.80	**O**	149.00	**R**	
C	259.00	**F**	441.50	**J**	103.50	**M**	33.10	**P**	72.00	**S**	

MASS - (KG)	**CURB**	**TEST INERTIAL**	**GROSS STATIS**
M1	942.00	981.50	
M2	780.00	830.50	
M3	1,722.00	1,812.00	

CAMERA PARAMETERS

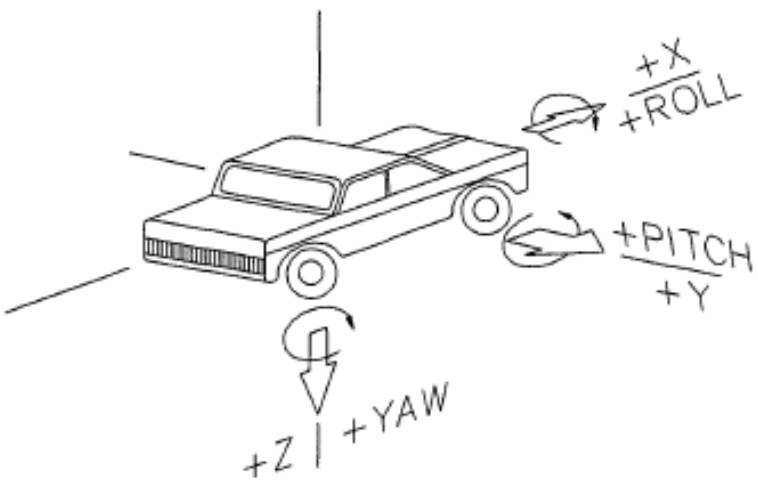
NO.	CAMERA	LENS	LENS (MM)	RESOLUTION (PIXELS)	SPEED (FPS)	LOCATION
1	K3R	Nikon	25	1280X1024	500	Right Perp
2	CI	Canon	16-100	640X480	500	Right Perp Close
3	K3	Nikon	25	1280X1024	500	Left Perp
4	K3	Nikon	50	1280X1024	500	Left Perp Close 1
5	CI	Toyo Optics	12.5-75	640X480	500	Left Perp Close 2
6	CI	Toyo Optics	12.5-75	640X480	500	Left Perp Close 3
7	K3R	Nikon	14	1280X1024	500	Overhead

CAMERA PARAMETERS



ACCELEROMETERS LOCATIONS TAURAS

CH.	LOCATION	X (cm) From frt. axle	Y (cm) From lft frt. hub	Z (cm) From ground	SERIAL NO.	AXIS
1	Center of Gravity	117.20	78.30	37.70	6DX0013 ACC1	X
2	Center of Gravity	117.20	78.30	37.70	6DX0013 ACC2	Y
3	Center of Gravity	117.20	78.30	37.70	6DX0013 ACC3	Z
4	Center of Gravity	117.20	78.30	37.70	6DX0013 ARS1	Roll
5	Center of Gravity	117.20	78.30	37.70	6DX0013 ARS2	Pitch
6	Center of Gravity	117.20	78.30	37.70	6DX0013 ARS3	Yaw
7	Center of Gravity	117.20	78.30	37.70	D12130	X
8	Center of Gravity	117.20	78.30	37.70	D12748	Y
9	Center of Gravity	117.20	78.30	37.70	D12899	Z



ACCELEROMETERS LOCATIONS EXPLORER

CH.	LOCATION	X (cm) From frt. axle	Y (cm) From lft frt. hub	Z (cm) From ground	SERIAL NO.	AXIS
1	Center of Gravity	124.60	76.80	62.20	6DX0014 ACC1	X
2	Center of Gravity	124.60	76.80	62.20	6DX0014 ACC2	Y
3	Center of Gravity	124.60	76.80	62.20	6DX0014 ACC3	Z
4	Center of Gravity	124.60	76.80	62.20	6DX0014 ARS1	Roll
5	Center of Gravity	124.60	76.80	62.20	6DX0014 ARS2	Pitch
6	Center of Gravity	124.60	76.80	62.20	6DX0014 ARS3	Yaw
7	Center of Gravity	124.60	76.80	62.20	6DX0015 ACC1	X
8	Center of Gravity	124.60	76.80	62.20	6DX0015 ACC2	Y
9	Center of Gravity	124.60	76.80	62.20	6DX0015 ACC3	Z
10	Center of Gravity	124.60	76.80	62.20	6DX0015 ARS1	Roll
11	Center of Gravity	124.60	76.80	62.20	6DX0015 ARS2	Pitch
12	Center of Gravity	124.60	76.80	62.20	6DX0015 ARS3	Yaw