Expert AutoStats®

The Expert AutoStats® program contains data on more than 50,000 cars, pick-ups, vans, and utility vehicles that range in years from the 1940's to the present. The Expert AutoStats® base information can assist in reconstructing accidents when the data for the vehicle is unavailable or the vehicle is too severely damaged to get correct measurements. The program is currently relied upon by over 700 private and 300 Government entities within the United States for this very purpose. Additionally, for many vehicles mid-1960's to present, data such as bumper height, front and rear overhang, hood height, etc., are also included.

As of April 1995 the 4N6XPRT Systems® programs Expert AutoStats®, Expert Qwic Calcs®, Expert TireStuf®, and Expert VIN DeCoder® are accessible from within RECTEC.
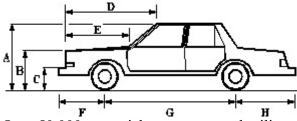
SYSTEM REQUIREMENTS

Expert AutoStats® has been tested on a wide variety of IBM laptop and desktop clones ranging from 8088 through Pentium® chips. A math co-processor chip is NOT required. Expert AutoStats® has also been tested under the various versions of MS-DOS 3.0 thru 7.0, DrDOS 6.0, and PC DOS 7.0. It also works as a DOS program under Windows 3.x, Windows, 95, Windows 98, Windows NT, Windows Me, Windows 2000, Windows XP, Windows Vista/7/8/10, OS/2 2.x, OS/2 Warp, and various versions of LINUX.

A variety of dot matrix printers emulating the EPSON series have been used with no difficulty. The output is also compatible with the Hewlett-Packard II, IIP, III and IIIP Laser printers and Hewlett-Packard Desk Jet inkjet printers. Expert AutoStats® works with monochrome and color monitors.

PLEASE PRINT

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Expert AutoStats®

Over 50,000 cars, pick-ups, vans, and utility vehicles 1940's to the present are represented.

4N6XPRT Systems®
Forensic Expert Software
8387 University Avenue
La Mesa, CA 91942-9342

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Select Your Vehicle

Expert AutoStats®
Version 5.2.0.2
Serial Number:
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- Print Blank Vehicle Spec Form
- Manufacturers & Years Available
- AASHTO Design Vehicle Specs
- Data Definitions
- About Expert AutoStats®
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Model	Data Page 1	Data Page 2	Data Page 3	Printer	File Output	DXF Output

Make of Vehicle: FORD
Year of Vehicle: 2011
Model of Vehicle:
Number of Doors:
Bodystyle of Vehicle:
☐ Car ☐ Pickup
☐ Van ☐ Utility ☐ Other   Clear

Select the Manufacturer from the list below.

Once a Manufacturer has been Selected the list of available Models will be below.

Fill in the empty boxes to the left to narrow the search.

Manufact	Start Year	End Year
FORD	1930	2012
FRAZER	1947	1951
FRAZER NASH	1948	1957
FUNKE & WILL	2002	2004
GENERIC	1979	1989
GEO	1987	1998
GLAS	1963	1966
GMC	1947	2011

Model	Body Style	WB (in)	OAL (in)
FUSION HYBRID	4 DOOR SEDAN	108	191
MUSTANG	2 DOOR COUPE	107	188
MUSTANG	2 DOOR CONVERTIBLE	107	188
MUSTANG GT	2 DOOR COUPE	107	188
MUSTANG GT	2 DOOR CONVERTIBLE	107	188
MUSTANG SHELBY GT500	2 DOOR COUPE	107	188
MUSTANG SHELBY GT500	2 DOOR CONVERTIBLE	107	188
POLICE INTERCEPTOR (3.27) MSP POLICE PKG	4 DOOR SEDAN	115	212
POLICE INTERCEPTOR (3.55) MSP POLICE PKG	4 DOOR SEDAN	115	212
RANGER 112WB	2 DOOR 4X4 PICKUP	112	188
RANGER 112WB	2 DOOR 4X2 PICKUP	112	188
RANGER 118WB	2 DOOR 4X2 PICKUP	118	200

After typing in the Make, Year, and Type of vehicle, you are presented with the vehicles which are available for that year.

Screen 1

Model	Data Page 1	Data Page 2	Data Page 3	Printer	File Output	DXF Output

2011 FORD POLICE INTERCEPTOR (3.27) MSP POLICE PKG 4 DOOR SEDAN

Horizontal Dimensions   **Vertical Dimensions**

Length	212	in.	Height	58 in.
Wheelbase	115	in.	Ground to:	
Front Bumper to Front Axle	43	in.	Front Bumper (Top)	23 in.
Front Bumper to Front of Hood	8	in.	Headlight - Center	27 in.
Front Bumper to Base of Windshield	65	in.	Hood - Top Front	31 in.
Front Bumper to Top of Windshield	91	in.	Base of Windshield	39 in.
Front Bumper to Front Wheel Well	26	in.	Rear Bumper (Top)	25 in.
Rear Bumper to Rear of Trunk	8	in.	Trunk - Top Rear	39 in.
Rear Bumper to Base of Rear Window	38	in.	Base of Rear Window	40 in.
Rear Bumper to Rear Well	38	in.		
Rear Bumper to Rear Axle	54	in.	**Weight Dimensions**	

Curb Weight   4184 lbs.
Curb Weight Distribution:

Depth Dimensions

Width	78	in.	Front =	56 %
Front Track	63	in.	Rear =	44 %
Rear Track	66	in.		

Gross Vehicle Weight Rating   5500 lbs.

The first screen of data contains exterior dimensions and weight data. Length, Height, Wheelbase, Width, and Weight Distribution are published dimensions. Curb Weight is an average of published curb weights for the given vehicle. Detail dimensions such as the bumper heights and Front Bumper to Front of

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Hood are measurements obtained by our staff from actual vehicles.

Screen 2

Model	Data Page 1	Data Page 2	Data Page 3	Printer	File Output	DXF Output

2011 FORD POLICE INTERCEPTOR (3.27) MSP POLICE PKG 4 DOOR SEDAN

Acceleration/Braking

Acceleration 0-30 mph	13.8	ft/sec^2	Bumper Strength	2.5	mph
Acceleration 0-60 mph	9.8	ft/sec^2	Steering Ratio	:1	
Acceleration 45-65 mph	6.5	ft/sec^2			
Braking 60-0 mph	138	feet	**Interior Dimensions**		

			Front Shoulder Room	61	in.
Drive Wheels	REAR		Front Head Room	40	in.
Turn Circle (Diameter)	40	feet	Front Leg Room	42	in.
Number of Wheels	4		Rear Shoulder Room	60	in.
Wheel Radius	12	in.	Rear Head Room	38	in.
Tire Size	P235/55R17		Rear Leg Room	38	in.

ALL DISC - ALL WHEEL ABS

3pt - front and rear - FRONT SEAT AIRBAGS

4spd AUTOMATIC

N.S.D.C. =   2011 - 2011

    = Not in Database

The second screen of data contains interior dimensions and various performance data. The data contained in the second screen comes from various published sources.

Screen 3

Model	Data Page 1	Data Page 2	Data Page 3	Printer	File Output	DXF Output

2011 FORD POLICE INTERCEPTOR (3.27) MSP POLICE PKG 4 DOOR SEDAN

Angle Measurements

Angle Front Bumper to Hood Front	=	45.0	degrees
Angle Front of Hood to Windshield Base	=	8.0	degrees
Angle Front of Hood to Windshield Top	=	16.8	degrees
Angle of Windshield	=	33.2	degrees
Angle of Steering Tires at Max Turn	=	27.5	degrees

Center of Gravity

Inches from ground	=	22.77	Inches from side of vehicle	=	39.00
Inches behind front axle	=	50.60	Inches in front of rear axle	=	64.40
Inches from front bumper	=	93.60	Inches from rear bumper		118.40
Inches from front corner	=	101.40	Inches from rear corner		124.66
Tip-Over Stability Ratio			=	1.41	Stable
NHTSA Static Stability Factor (calculated) Star Rating			=	****	

Moments of Inertia

Yaw Moment of Inertia	=	3103.52	lb*ft*sec^2
Pitch Moment of Inertia	=	2993.16	lb*ft*sec^2
Roll Moment of Inertia	=	603.12	lb*ft*sec^2

The third and last screen contains a number of calculated items of information which may be of use depending upon the type of case, the

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other software that you use, and the questions which need to be answered.

DXF Output Screen

Model	Data Page 1	Data Page 2	Data Page 3	Printer	File Output	DXF Output

2011 FORD POLICE INTERCEPTOR (3.27) MSP POLICE PKG 4 DOOR SEDAN

While every attempt has been made to ensure accurate data, these dimensions are meant to be used as first approximations. Some measurements are dependant on such factors as manufacturing variations from vehicle to vehicle. Whenever feasible, the vehicle in question or an exemplar vehicle should be measured TO VERIFY DATA IMPORTANT TO YOUR CASE. The provision of the DXF output is provided as an aide to your evaluation. It is not meant to be the final drawing of the vehicle.

DXF File Name 2011_FORD_POLICE_INTERCEPTOR_(3.27)_MSP_POLICE_PKG_4_DOOR_SEDAN_

Length	212	Inches	Drawing Notation
Wheelbase	115	Inches	○ On
Width	78	Inches	● Off
Front Track	63	Inches	
Rear Track	66	Inches	**Units**
Front Overang	43	Inches	● Inches
Bumper to Base of windshield	65	Inches	○ Feet
Bumper to Top of windshield	91	Inches	○ Meters
Rear Bumper to Base of Rear window	38	Inches	
Rear Bumper to Top of Rear window	64	Inches	
Front Tire Diameter	24	Inches	
Rear Tire Diameter	24	Inches	
CG behind Front axle	50.6	Inches	DXF Output

From within the Expert AutoStats program you have the ability to output the data to a 2-D DXF file for importation into your CAD Scene Drawings. The screen below shows an import of the DXF file with Text into the CAD Zone program.

CADZONE Import

The Crash Zone 8.1   [51473.DXF]

< FRONT of 2001 FORD CROWN VICTORIA 4.6L MSP POLICE PACKAGE 4DR SEDAN

DXF Output Data
Length: . . . . 17.67 Feet
Width: . . . . 6.50 Feet
Front bumper to Front Axle: . . . . . . 3.67 Feet
Wheelbase: . . . . 9.58 Feet
Front Track: . . . . 5.25 Feet
Rear Track: . . . . 5.33 Feet
CG behind Front Axle: . . . . 4.31 Feet

4N6XPRT Systems
Expert System Software for Litigation

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[signature: Daniel Vomhof III]

Daniel W. Vomhof III
General Manager/Technical Support

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