



## Body-Frame Dimension Charts

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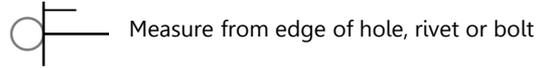
Tru-Way datasheets contain vehicle data measured using a tram bar with the pointers set to equal length. All dimensions shown in Tru-Way datasheets are measured point-to-point and should not be used as three-dimensional measuring values. We have put in the greatest effort to make the datasheets as user-friendly as possible, by eliminating text and using pictures instead. Furthermore, we have made every effort to choose the points most accessible and useful for our customers.

The measuring instructions found with each datasheet are intended to simplify and eliminate error when establishing the location of exact measuring points on the datasheet. Dimension is given in mm and inches. The illustration of the vehicles chassis is a simplified illustration and not a blueprint from the manufacturer.

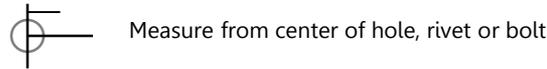
### **TOLERANCES**

For practical purposes, a 1/8-in (3mm) tolerance (plus or minus) is recommended on most dimensions. This may be exceeded in some instances, as manufacturing tolerances are more flexible in certain non-critical portions on the vehicle. All measuring values are considered reference values and are not to be considered factory values.

Listed below are some of the terms used and their definitions applied on the Tru-Way charts.



Measure from edge of hole, rivet or bolt



Measure from center of hole, rivet or bolt

### **MEASURING POINT AND DATASHEET INFORMATION**

We have attempted to standardize the description of the measuring point with pictures. See attached list of draw point descriptions. The Datasheet number identifies vehicle and issue (see attached list of denominations).

### **LENGTH-WIDTHS-DIAGONALS**

The dimensions on the bottom view datasheets are direct and may be measured direct point-to-point with measuring tape or tram bar (with the pointers set to equal length) between dimension points. Measuring points are symmetrical if nothing else stated.

### **DATUM LINE**

An imaginary line from which dimensions are given to establish the correct height of a given point on the vehicle frame or body above this datum line. The datum line is perpendicular and parallel to the vehicles underside.

### **FRONT SUSPENSION DIMENSION POINT**

For checking from suspension location in relation to frame, charts show a dimension from a definitely established point at the lower suspension control arm to a given point on the frame.

### **BALL JOINT POINTS**

This dimension is measured from the center of the tip of the ball stud that attaches and protrudes through spindle or knuckle support. Some charts will use the ball joint grease fitting, or the center of the ball joint body as the dimension point where it is found to be more accessible than the stud.

### **WHEELBASE**

The wheelbase is shown to make a quick diagnose of vehicle damage.

### **MEASURING TOOLS**

- Steel Tape  
Many of the measurements can be made with a steel tape but in some cases mounted parts of the vehicle such as exhaust pipes, drive train, or suspension parts can be an obstacle and need to be removed.
- Tram Bar  
Most Tru-Way measurements can be taken using a tram bar with pointers set to equal length. Measurements can be read directly from the tram bar or measured between the tips with a steel tape.

### **IMPORT CARS**

Some import dimensions are shown in millimeters. Multiply by .039 to convert millimeters to inches.

### **NOTICE**

Dimensions and information contained on Tru-Way datasheets are compiled from information prepared by measuring vehicles and from information provided by the car manufacturers. The methods used in the measurement of vehicles are normally considered reliable with regard to the accuracy required.

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