



Quick Tip 14: Checking Frame Alignment

How can I tell if the frame on my truck is straight and true?

To obtain diagonal measurements which are used to determine the "squareness" of the frame, while the body is on the truck, the following procedures are recommended:

Load the truck with a pay load which is near BUT NOT GREATER THAN the specified limits. Place the truck on a level floor and check tire air pressure to proper poundage.

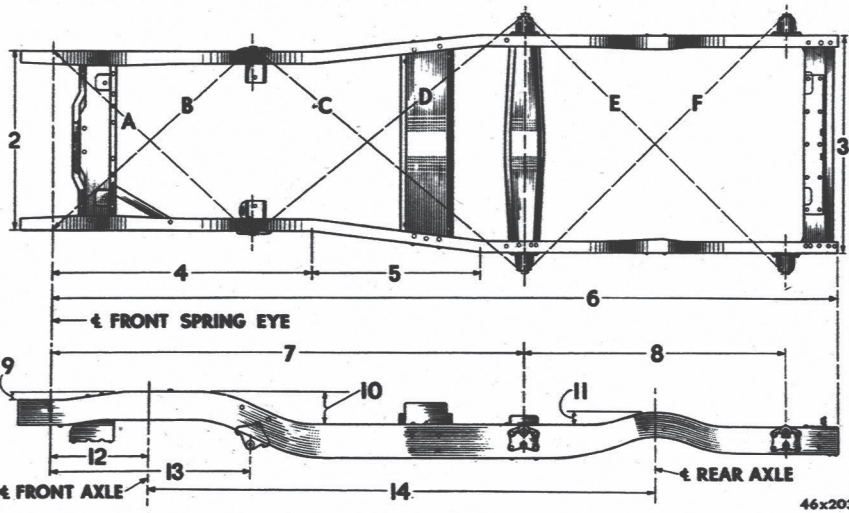
Suspend an ordinary surveyor's "plumb bob" from the corresponding points on the frame, as indicated by the diagonal lines in the diagram. Place a chalk mark on the floor directly under the point of the "plumb bob".

Move the truck away so that the distance between the chalk marks, on the floor, can be measured.

Then, referring to the diagram below, carefully measure the distance at the points made by diagonal line "A." This should agree, within 1/4" inch, with the distance between the points connected by diagonal line "B."

The same check should be made at points between the diagonals "C" and "D," and "E" and "F."

This is a quick method of determining which frame section is bent and also where force should be applied to make necessary corrections.



Frame Alignment

1-ton Power Wagon
[Dimensions given in inches]

- 2.....33 1/8"
- 3.....40 1/8"
- 4.....50 5/16"
- 5.....33 1/2"
- 6.....185"
- 7.....118 15/16"
- 8.....50 17/32"
- 9.....1 7/16"
- 10.....6"
- 11.....2 7/16"
- 12.....18 21/32"
- 13.....38 3/8"
- 14.....126"

46x203

Chassis

Typical View
(Chassis for vehicle type D shown)
Good selection of parts in stock for all models

