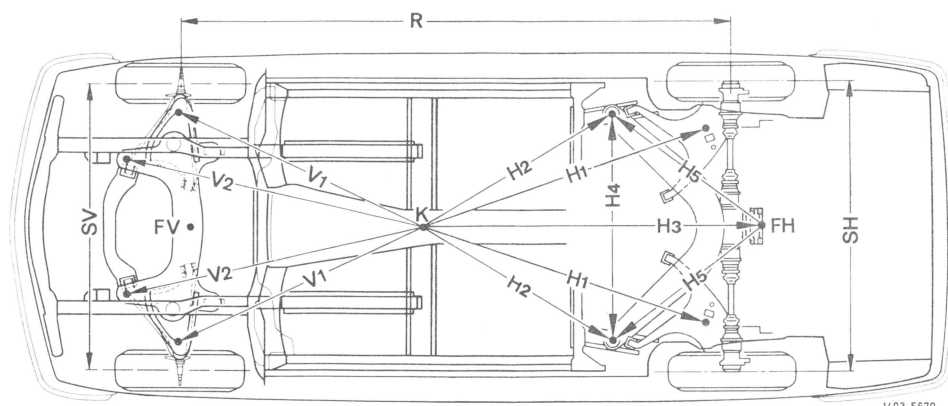


Data

Permissible wheel base difference between left and right from check point "K" in frame floor	Front axle	Lower control arm Measuring point V1	5 mm
		Suspension on frame Measuring point V2	3 mm
	Rear axle	Semi-trailing arm Measuring point H1	3 mm
		Suspension on frame Measuring point H2	2 mm

Model 107.024

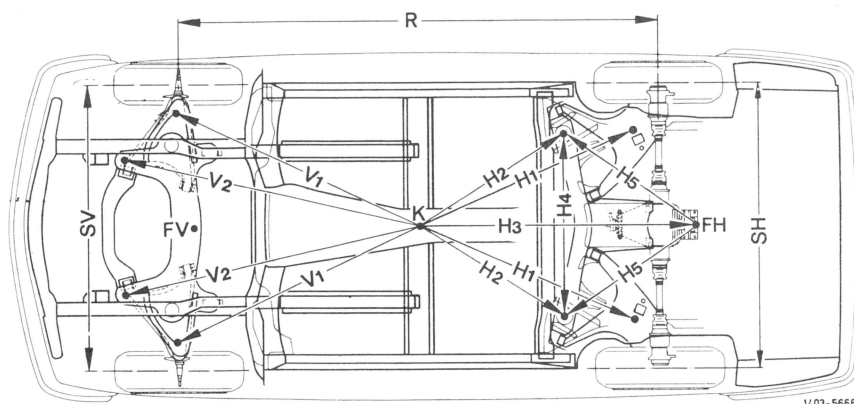


1403-5670

Fig. 1

- | | | | |
|----|--|----|---|
| K | Check point (bore) in frame floor | H2 | Measuring points on rear frame cross member |
| V1 | Measuring points on lower control arms of front axle | R | Wheel base |
| V2 | Measuring points on front frame side members | SV | Track width of front axle |
| H1 | Measuring points on semi-trailing arms of rear axle | SH | Track width of rear axle |

Model 107.044



1403-5666

40.1 Measuring Axle Positions and Wheel Base

Special Tool

Axle position inspection fixture

107 589 01 23 00

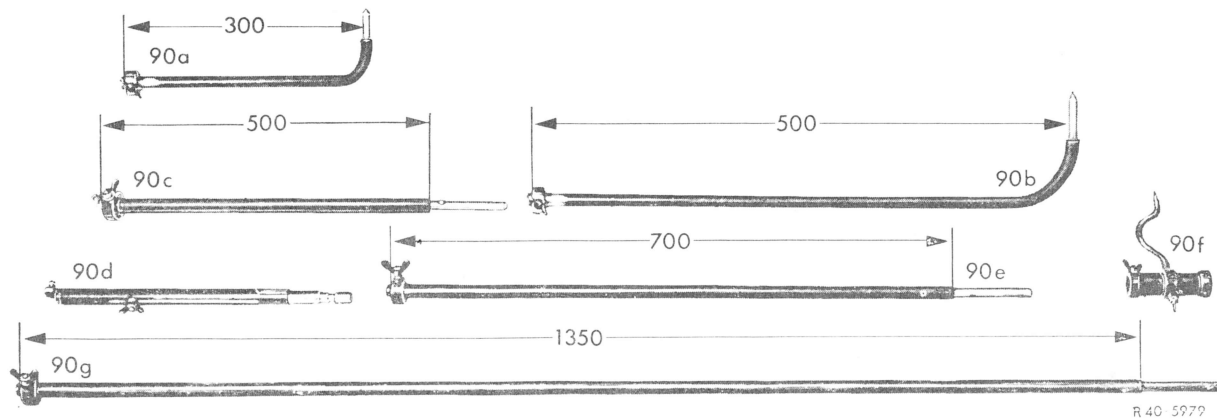


Fig. 2

90 Axle position inspection fixture

90b Rod with point

90d Adjustable measuring point

90f Needle

90a Rod with point

90c Rod

90e Rod

90g Rod

The inspection fixture 107 589 01 23 00 consists of the former fixture 115 589 14 23 00 and the additional components 107 589 01 23 80.

Components for Measuring Axle Position

Measuring point	Distance from "K" approx. mm	Components of inspection fixture		
V1	1370	90 a	90 e	90 d
V2	1545	90 a	90 g	90 f
H1	1470	90 a	90 g	90 f
H2	878	90 b	90 d	—

Notes

Axle position measurements are required for vehicles damaged or suspected of having been damaged during an accident. Both the front axle and the rear axle are provided with measuring points at the axle itself and on the frame floor. **Pertinent evaluation applies each time to the difference in axle position between left and right.**

If required, additional inspections on frame floor by means of Celette frame straightening bench must be conducted.

Inspection

Insert rod (90a or 90b) into inspection bore (K) in frame floor which serves as the starting point for all measurements (Fig. 3).

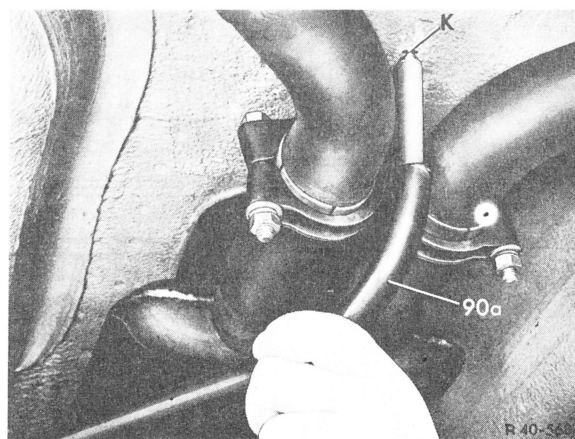


Fig. 3

K Inspection bore in frame floor

90a Rod with point 300 mm long

90b Rod with point 500 mm long

Front Axle

On front axle, measure in relation to measuring points V1 (bore in lower control arm) and V2 (hex. bolt of front rubber mounting for suspension on frame floor) (Fig. 4 and 5).

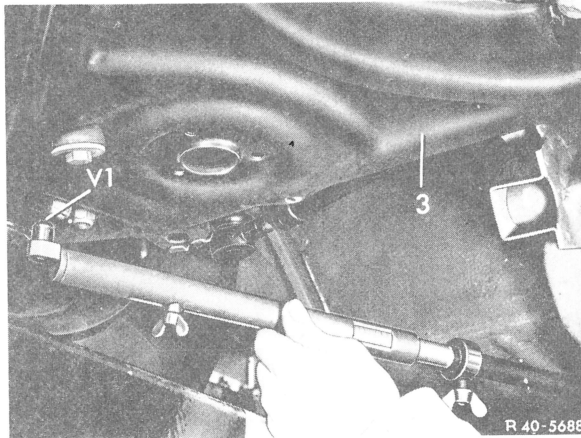
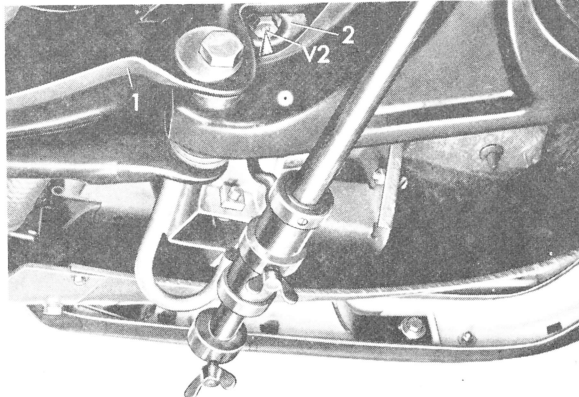


Fig. 4

- V1 Measuring point on lower control arm
3 Lower control arm



R 40-5868

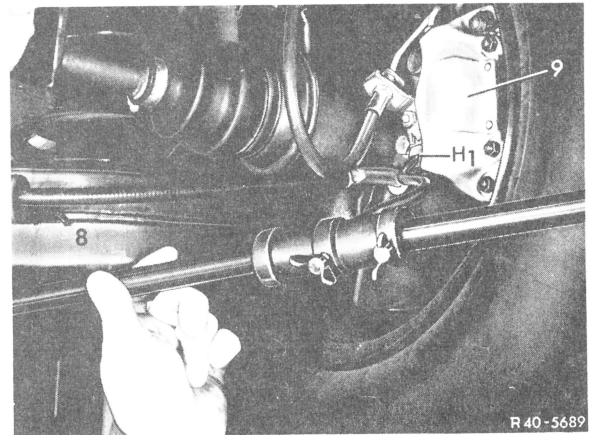
Fig. 5

- V2 Measuring point on frame floor
1 Front axle carrier 2 Front axle suspension

Rear Axle

On rear axle measure in relation to measuring point H1 (lower hex. bolt for attaching brake caliper to semi-trailing arm) and H2 (hex. bolt of rubber mounting of front suspension on frame floor) (Fig. 6 and 7).

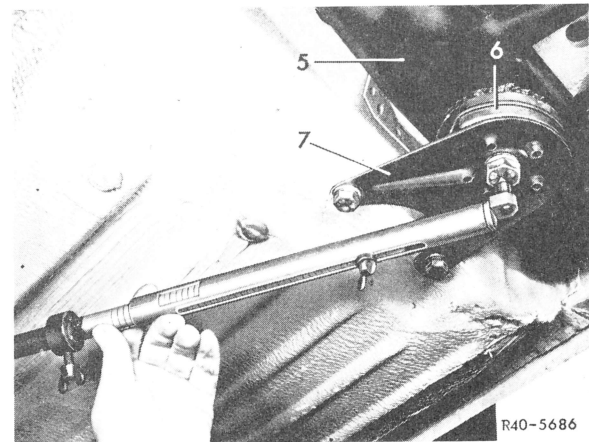
While measuring the axle position in relation to measuring point H1, permit rod of inspection device to rest laterally against tire and at top against semi-trailing arm (Fig. 6).



R 40-5689

Fig. 6

- H1 Measuring point on semi-trailing arm
8 Semi-trailing arm 9 Brake caliper



R40-5686

Fig. 7

- H2 Measuring point on frame floor
5 Rear axle carrier 7 Supporting plate
6 Rubber mounting