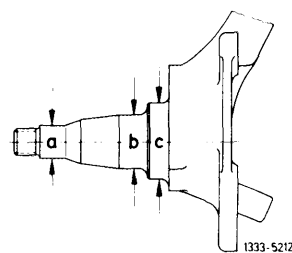


## 33-410 Checking the steering knuckle

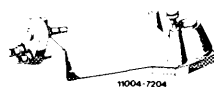
### Data

Permissible runout of wheel spindle on bearing seats		0.05
Wheel spindle	Bearing seat "a"	21.44 21.43
	Bearing seat "b"	34.93 34.92
Dia. of running surface "c" for radial sealing ring		50.00 49.84
Direction of camber	Measuring plane A 1	$0.7 \pm 0.7$
	Measuring plane A 2	$2 \pm 2$
Direction of caster	Measuring plane B 1	$0.7 \pm 0.7$
	Measuring plane B 2	$2 \pm 2$



### Special tool

Inspection tool for steering knuckle



116 589 05 23 00

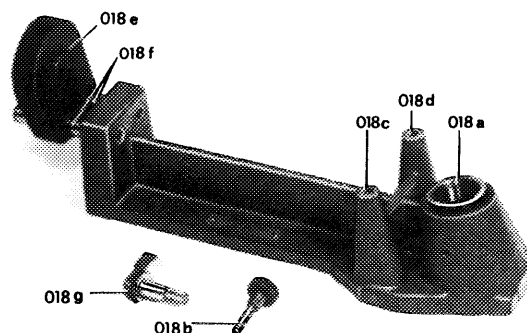
### Checkup

1 Place steering knuckle with wheel spindle into mounting device (018a) of inspection tool.

If the steering knuckle cannot be introduced into mounting device, the wheel spindle is distorted.

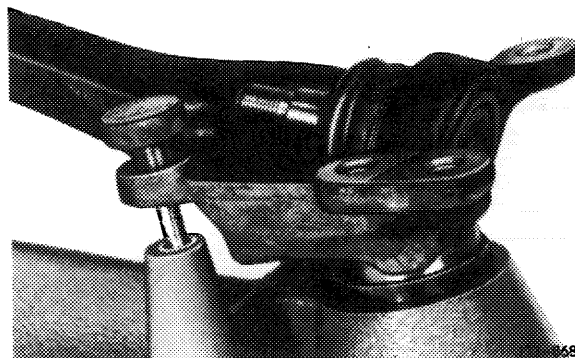
#### Inspection tool

- 018b Locating screw
- 018c Locating bore for lefthand steering knuckle
- 018d Locating bore for righthand steering knuckle
- 018e Measuring plate
- 018f Guide pin
- 018g Measuring indicator



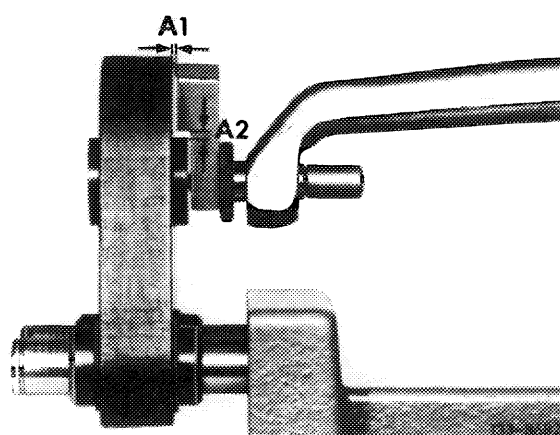
133-8680

2 Attach steering knuckle with locating screw into locating bore for lefthand or righthand steering knuckle.



3 Insert measuring indicator into holding device for ball pin of guide joint and move measuring plate into contact with center of measuring indicator.

**Note:** For checking lefthand or righthand steering knuckle, the measuring plate is always mounted on both guide pins turned by 180°.



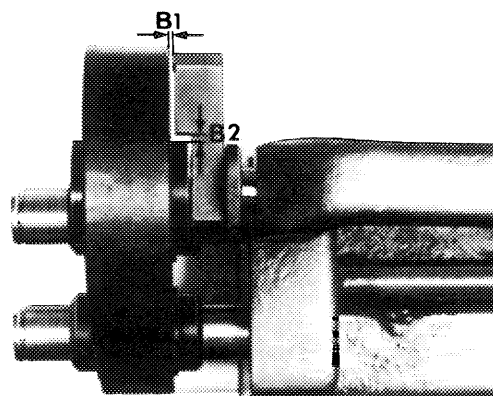
Permissible deformation of steering knuckle in direction of camber (A).

4 Turn measuring indicator by 360°.

The permissible limit is exceeded when the measuring indicator cannot turn by 360°.

**Attention!**

When turning measuring indicator, measuring plate should rest against center of measuring indicator.



Permissible deformation of steering knuckle in direction of caster (B).

133-8683

Measuring plane A1 and A2  
Permissible deformation in direction of camber

Measuring plane B1 and B2  
Permissible deformation in direction of caster

