

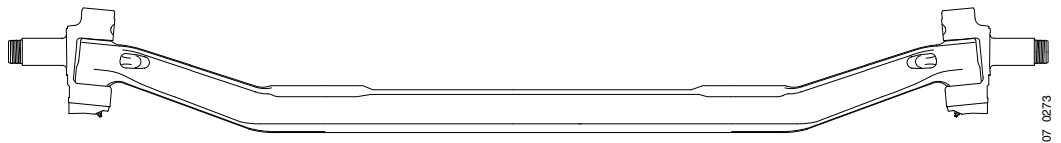
SCANIA

07:01-05

Issue 1 en

Checking the dimensions of the front axle beam

Description of operation



Checking the dimensions of the front axle beam

It is not permitted to straighten front axle beams. Tool 99 369 has been developed for checking the dimensions (straightness) of the front axle beam. A front axle beam that is not in conformity with the specified dimensions must be changed.

Description

Set up the front axle beam and tool 99 369 as shown in Fig. 1.

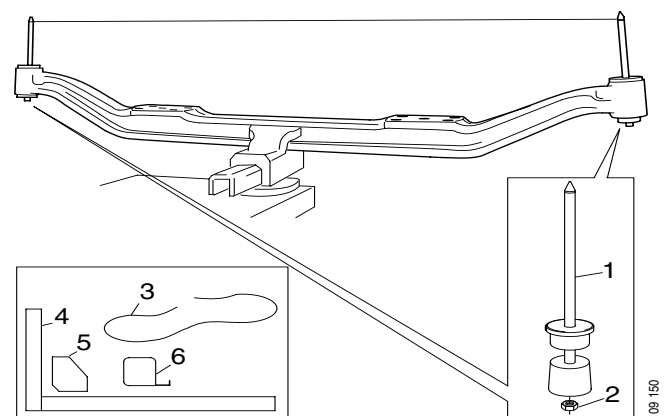


WARNING!

The bench must be bolted firmly to the floor. The beam is heavy.

IMPORTANT! Tighten nut 2 by hand. Tightening it too hard could damage the tool's cone.

Fig. 1



- 1 Tool 99 369
- 2 Retaining nut + washer (included in 99 369)
- 3 Rubber band (included in 99 369)
- 4 Set square
- 5 Magnetic support
- 6 Measuring tape

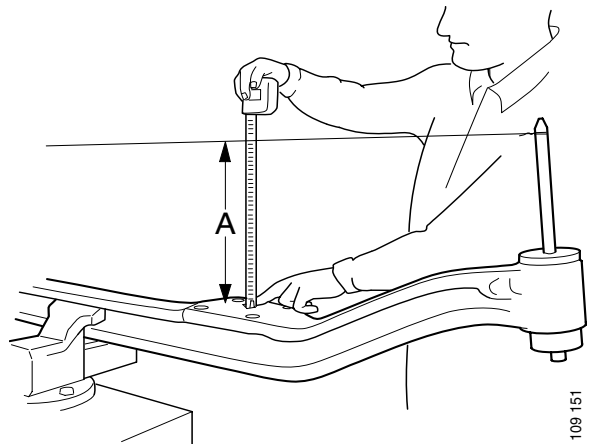
Note: Make sure the rubber band is properly tensioned.

Use the same set square 4 and tape measure 6 for all measurements. Take all measurements with the tape measure in the same way.

Measure the dimensions as follows and enter the measurements on the test report on page 6.

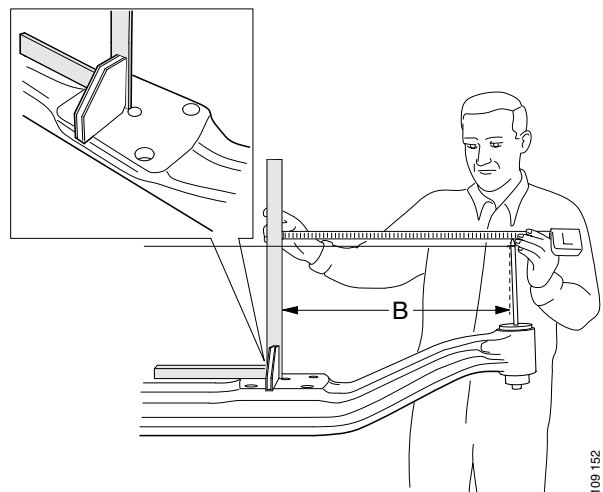
- 1 Measure distance A from the plane for the spring anchorage to the rubber band. See Fig. 2.

Fig. 2



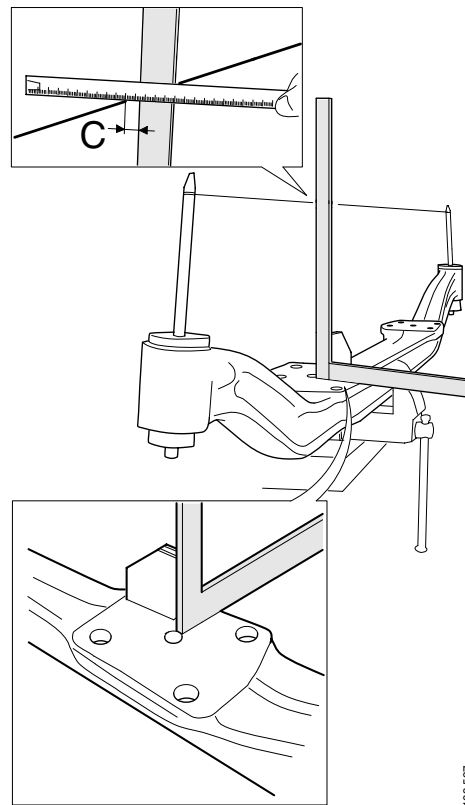
- 2 Place the set square against the edge of the centre hole. Measure distance B between the edge of the set square and the tip of the pin. See Fig. 3.

Fig. 3



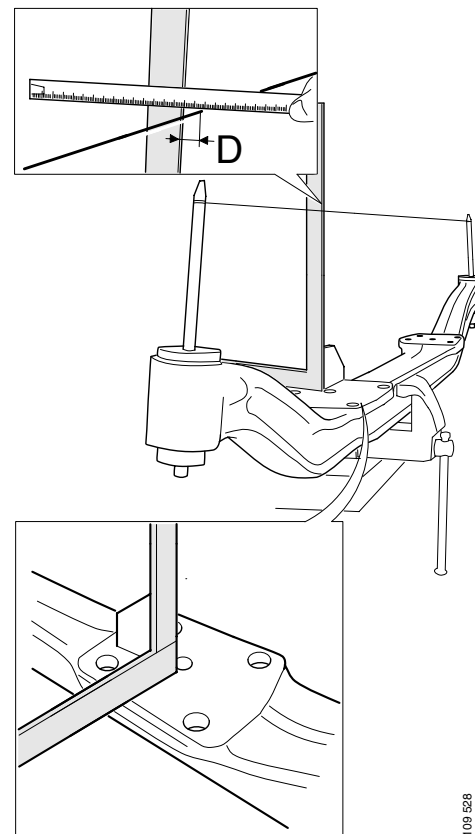
- 3 Place the set square against the edge of the centre hole. Measure distance C between the rubber band and the edge of the set square. See Fig. 4.

Fig. 4



- 4 Place the set square against the edge of the centre hole. Measure distance D between the rubber band and the edge of the set square. See Fig. 5.

Fig. 5



- 5 Carry out the measurements described in points 1 to 4 on the other side of the beam.

Test report

CHASSIS NUMBER: _____

DATE: _____

CHECKED BY: _____

DIMENSION	LEFT-HAND SIDE	RIGHT-HAND SIDE	DIFFERENCE		MAXIMUM PERMISSIBLE DIFFERENCE
			RIGHT	LEFT	
A	mm	mm	mm		4 mm
B	mm	mm	mm		3 mm
C	mm	mm	mm		2 mm
D	mm	mm	--		--
DIFFERENCE C-D	mm	mm	--		1 mm

APPROVED	
NOT APPROVED	