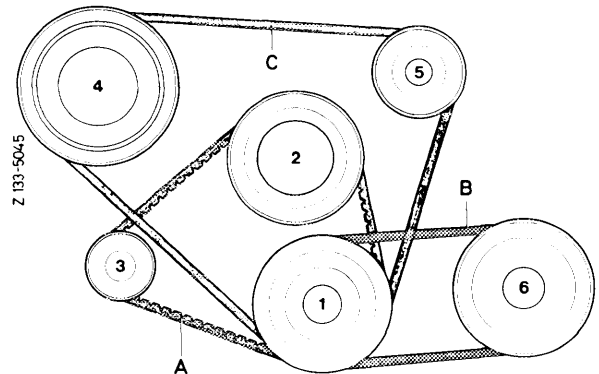


13-340 Renewal and tensioning of V-belt

V-belt	107, 114, 116	Models 107 <sup>1)</sup> , 116 <sup>1)</sup>	123, 126	Adjusting value KG-scale on measuring instrument
A Alternator	9.5 x 960		9.5 x 930	20-25
B Power steering pump	12.5 x 784 12.5 x 818 <sup>2)</sup>	12.5 x 825 12.5 x 818 <sup>2)</sup>		40-45
C Refrigerant compressor	12.5 x 1375 <sup>3)</sup>	12.5 x 1285		

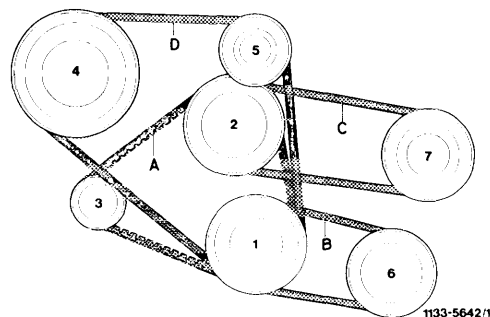
- 1) Power steering pump with cast-on reservoir.  
 2) Standard starting 5.1978.  
 3) Version 1 (swivelling tensioning roller), of models  
 114.060/062/072/073.



- 1 Crankshaft    4 Refrigerant compressor  
 2 Water pump    5 Tensioning roller  
 3 Alternator    6 Power steering pump

V-belt	California Model year 1974	California Model year 1975 J S USA Model year 1976	AUS J S USA Model year 1977/78	Adjusting value KG-scale on measuring instrument
A Alternator	9.5 x 960 9.5 x 980 <sup>1)</sup>			20-25
B Power steering pump	12.5 x 725	12.5 x 715	12.5 x 825 12.5 x 818 <sup>2)</sup>	40-45
C Air pump	9.5 x 910 optional 9.5 x 913		9.5 x 825	20-25
D Refrigerant compressor	12.5 x 1285			40-45

- 1) On 65-A alternator (J) 1979, with KW-pulley  
 110 032 08 04 (formerly 123 032 01 04).  
 2) Standard starting 5.1978.

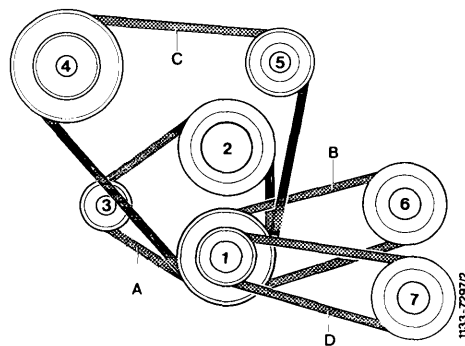


Model year 1974-1976

- 1 Crankshaft    5 Tensioning roller  
 2 Water pump    6 Power steering  
 3 Alternator    pump  
 4 Refrigerant    7 Air pump  
 compressor

Model year 1977/78

- |              |                       |
|--------------|-----------------------|
| 1 Crankshaft | 5 Roller              |
| 2 Water pump | 6 Power steering pump |
| 3 Alternator | 7 Air pump            |
| 4 Compressor |                       |



### Special tools

Wrench socket 8 mm, 1/2" square,  
130 mm long



000 589 33 07 00

### Note

Measuring instrument "Krikit" is recommended for checking V-belt tension.

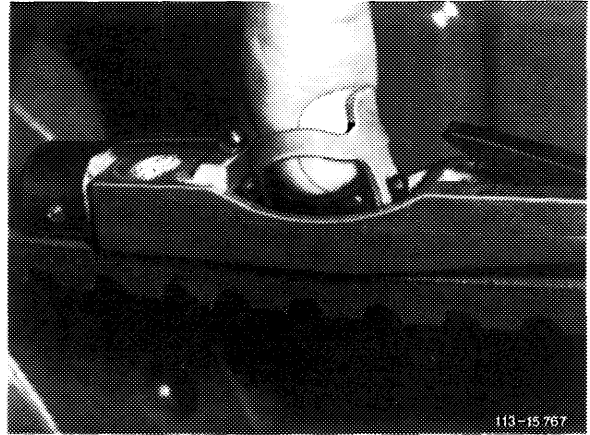
### Handling of measuring instrument

For checking V-belt tension the measuring instrument can be held in different ways:

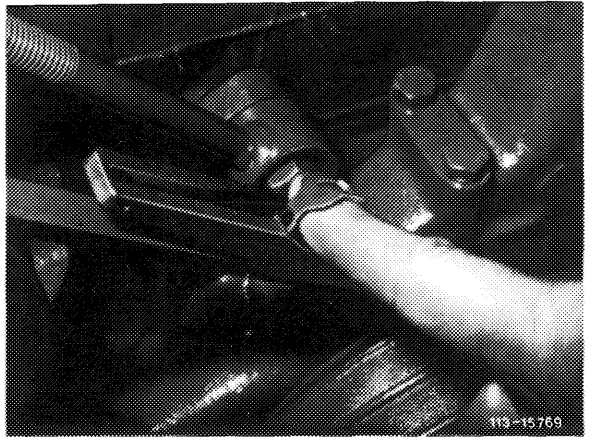
- With thumb and forefinger on rubber loop, with finger tips resting on push button.



b) With forefinger from above in rubber loop.



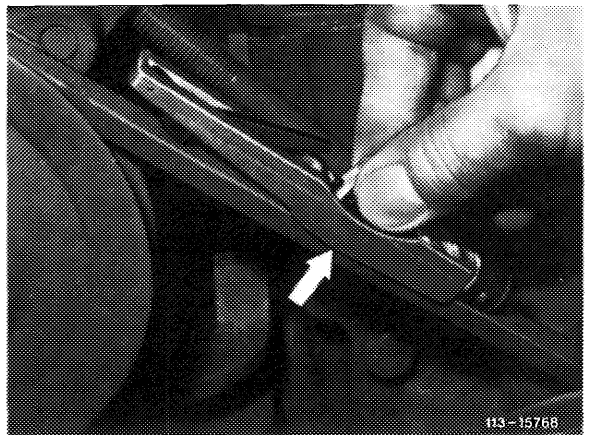
c) With forefinger laterally between rubber loop and push button.



#### Checkup

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- 1 Lower indicating arm on measuring instrument.
- 2 Place measuring instrument on V-belt in center between pulleys. Lateral stop on measuring instrument should rest laterally against V-belt (arrow).



#### Attention!

On double belt drive make sure that measuring instrument rests only on one V-belt.

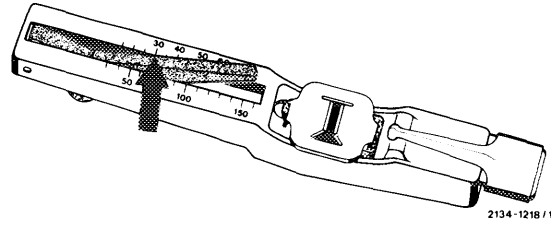
- 3 Exert uniform vertical pressure on top of V-belt by means of push button until click spring disengages audibly (or noticeably).

**Note:** Upon disengagement of click spring do not continue pushing measuring instrument, since this will result in a wrong indication.

4 Lift measuring instrument **carefully** from V-belt. Prevent impacts which may change position of indicating arm.

5 Read tension value on point of intersection of indicating arm on upper scale (arrow).

The specified adjusting values refer to KG-scale of measuring instrument.



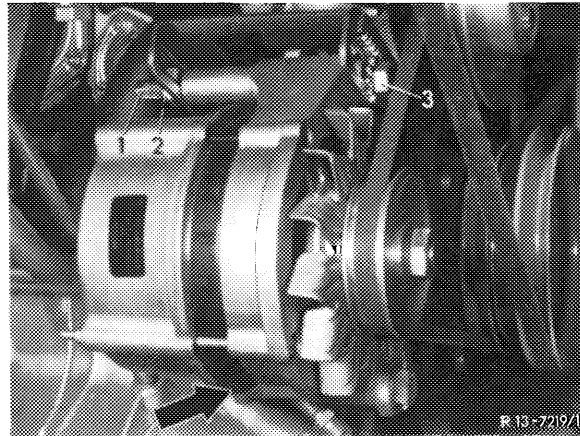
## Tensioning

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### Belt A Alternator – coolant pump up to and including 1974

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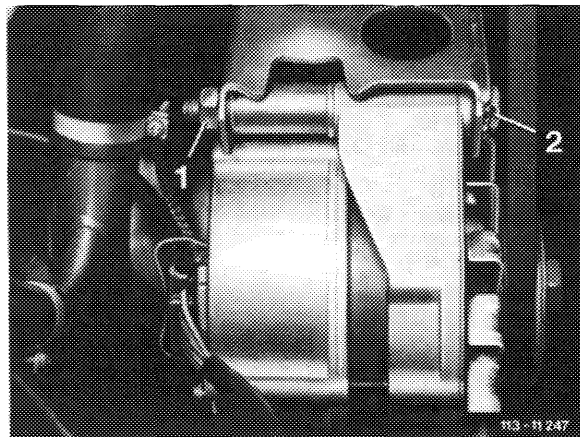
- 1 Loosen nut (2) and mounting bolt (arrow).
- 2 Adjust belt tightness at 6 mm square (1) or hexagon of tightening bolt (3).
- 3 Tighten nut (2) and mounting bolt (arrow).



### Belt A Alternator – coolant pump starting 1975

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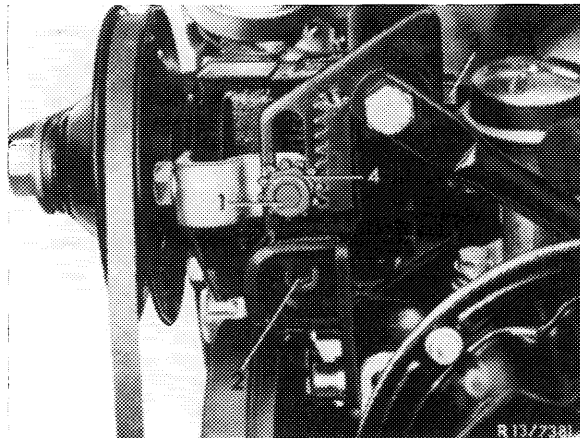
- 1 Loosen nut (1).
- 2 Adjust belt tightness with tightening bolt (2).
- 3 Tighten nut (1).



### Belt B Power steering pump

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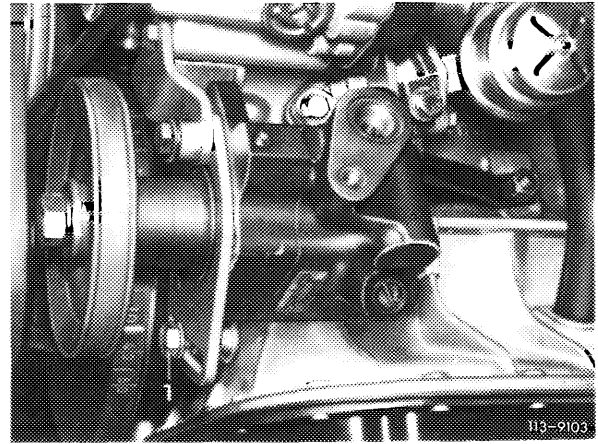
- 1 Loosen mounting bolts (1, 2 and 3).
- 2 Adjust belt tightness with toothed disc (4).
- 3 Tighten mounting bolts (1, 2 and 3).



**Belt B Power steering pump  
USA version 1974 models**

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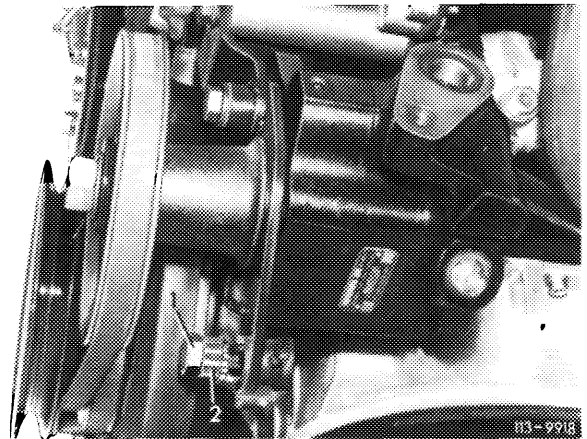
- 1 Loosen mounting bolt (1).
- 2 Adjust belt tightness by swinging out power steering pump.
- 3 Tighten mounting bolt (1).



**Belt B Power steering pump  
USA version 1975/76 models  
Sweden, Japan version  
1976 models**

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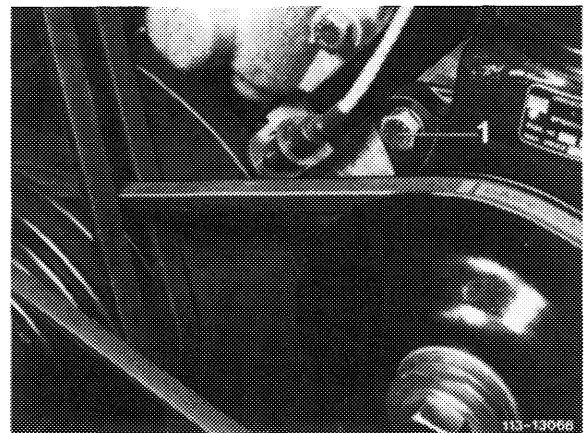
- 1 Loosen mounting bolt (1).
- 2 Adjust belt tightness with toothed disc (2).
- 3 Tighten mounting bolt (1).



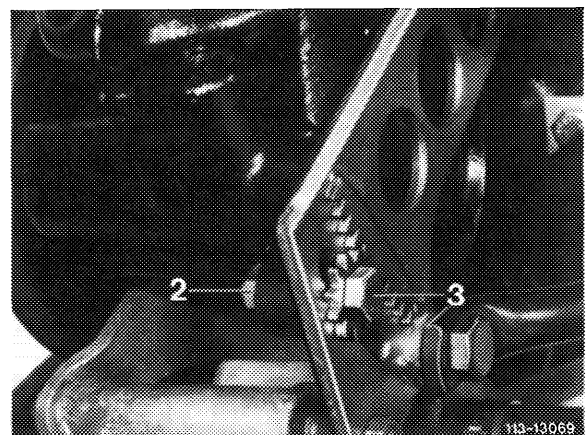
**Belt B Power steering pump model 123  
Standard version  
and starting model year 1977**

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- 1 Loosen screw (1) on face of power steering.



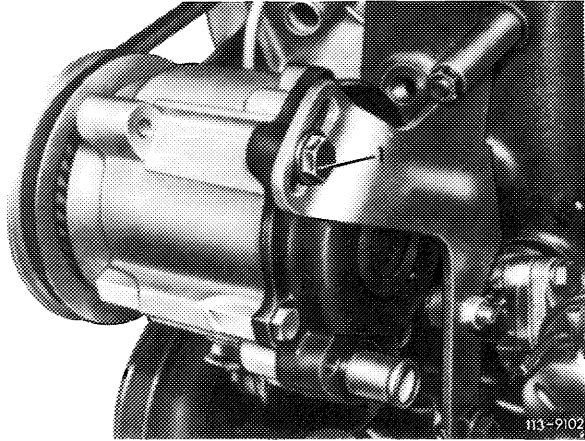
- 2 Loosen nut (2).
- 3 Tension belt with tensioning screw (3).
- 4 Tighten nut (2) and screw (1).



**Belt C Air pump**  
USA version from 1974 – 1976 models  
Sweden version from  
1976 models  
Japan version from  
1976 models

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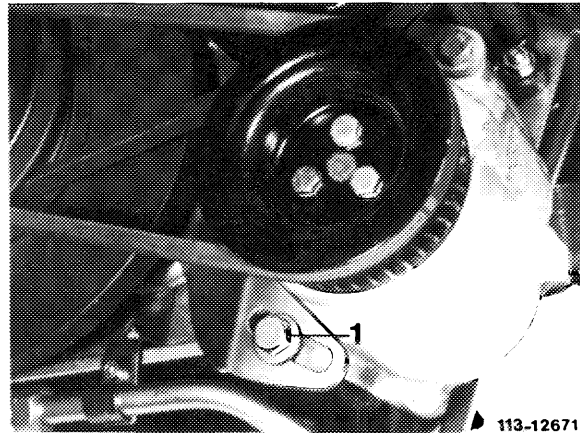
- 1 Loosen mounting bolt (1).
- 2 Adjust belt tightness by swinging out air pump.
- 3 Tighten mounting bolt (1).



**Belt C Air pump starting model year 1977**  
Australia, Japan, Sweden,  
USA version

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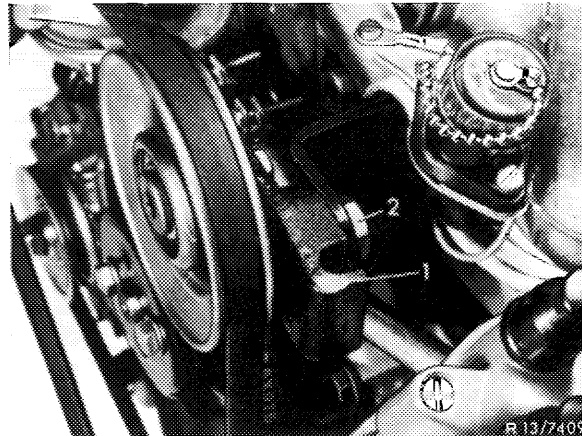
- 1 Loosen mounting bolt (1).
- 2 Adjust belt tightness by swinging out air pump.
- 3 Tighten mounting bolt (1).



**Belt D 1st version compressor**

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- 1 Guide an appropriate tool with an approx. 8 mm dia. into opening of holder (1).
- 2 Loosen mounting bolt (2).
- 3 Adjust belt tightness by swinging holder (1) clockwise.
- 4 Tighten mounting bolt (2).

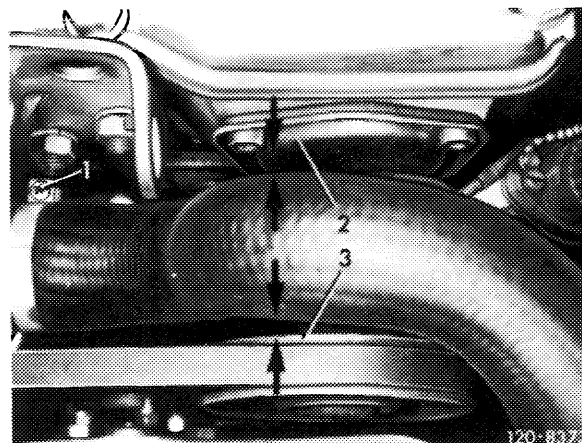


**Attention!**

Check the following distances of a re-tightened belt.  
Distance from coolant hose to cover (2) is approx.  
5 mm.

Distance from coolant hose to belt roller (3) is approx.  
10 mm.

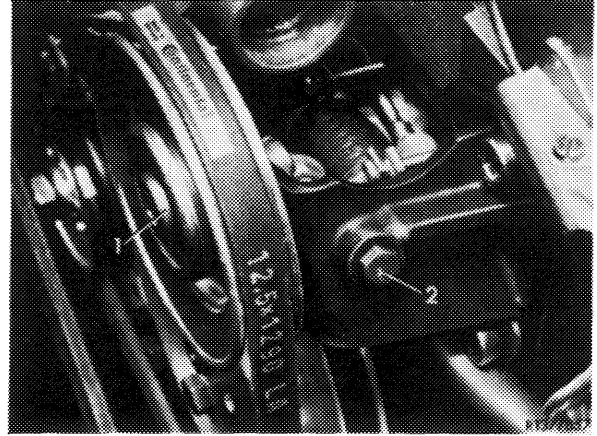
If these distances cannot be reached by loosening the  
hose clamp (1) and twisting the coolant hose, the  
tightening device must be converted to the 2nd version.



## **Belt D Refrigerant compressor version 2**

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- 1 Loosen expansion bolt (1).
- 2 Adjust belt tightness with tightening bolt (2).
- 3 Torque expansion bolt (1) to 16 Nm.



**Note:** A number of vehicles has been delivered with the counternut on the tightening bolt (2). For this version the belt tightness is adjusted with the counternut. However, it would be more advantageous to exchange the M 6 x 90 adjusting bolt against a M 6 x 75 bolt, part number 000 933 006 176, and to install this bolt without a counternut.