V-belt dimensions and adjusting values

V-belts		A Alternator Coolant pump	B Refrigerant compressor	C Power steering pump
Dimensions		9.5 x 1035[1]) (2 each)	12.5 x 925	12.5 x 1145
Adjusting value KG scale on measuring instrument	new	30	50	
	used	20–25	40–45	

[1]) Double V-belts may be installed in pairs and from one manufacturer only.

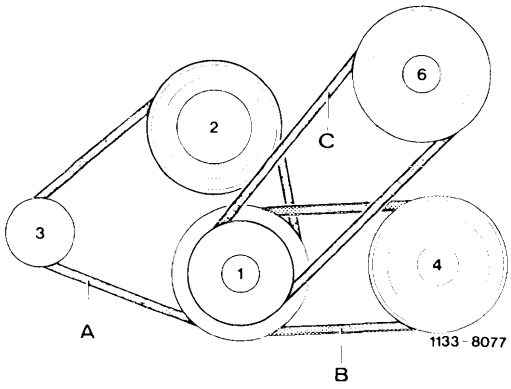
Conventional tool

Measuring instrument (Krikit)	e.g. made by Gates GmbH Gravener Straße 191–193, D–4018 Langenfeld 2
	e.g. made by Gates Rubber Company 999 S. Broadway, USA–80217 Denver/Colorado

Note

The Krikit measuring instrument is recommended for testing V-belt tension.

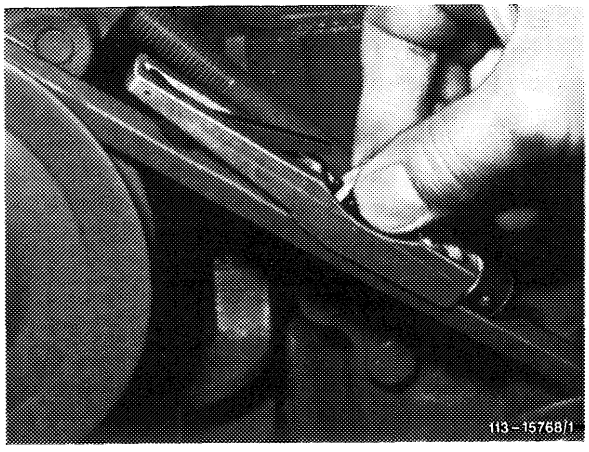
1 Crankshaft
2 Coolant pump
3 Alternator
4 Refrigerant compressor
6 Power steering pump



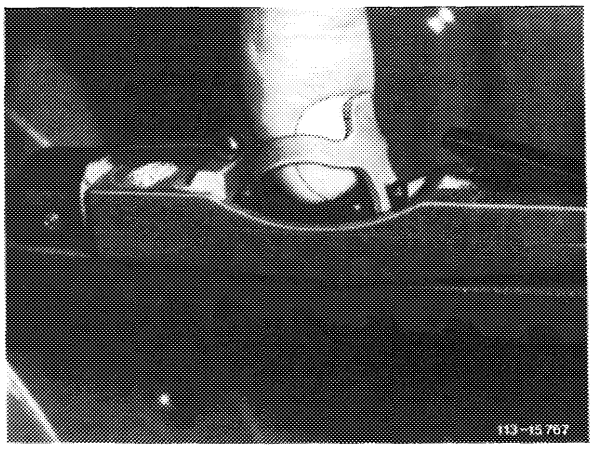
Handling of measuring instrument

For testing V-belt tension the measuring instrument can be handled in various ways:

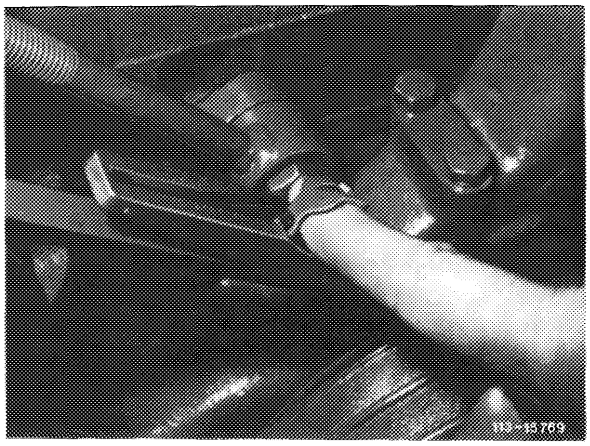
a) With thumb and forefinger against rubber loop, with the finger tips resting on pushbutton.



b) With forefinger from above in rubber loop.



c) With forefinger laterally between rubber loop and pushbutton.

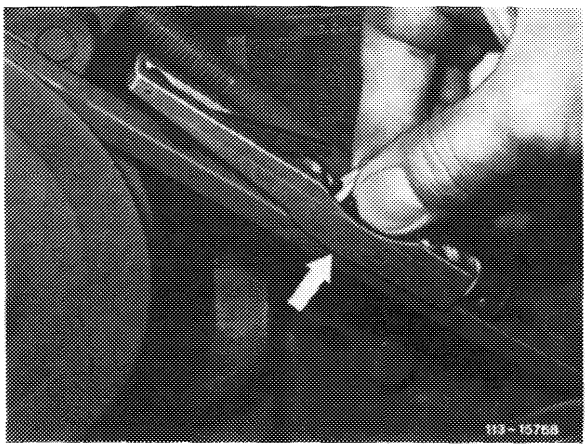


Testing

1 Lower indicator arm on measuring instrument.

2 Place measuring instrument on V-belt in center between pulleys. The lateral stop of the measuring instrument should rest laterally against V-belt (arrow).

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



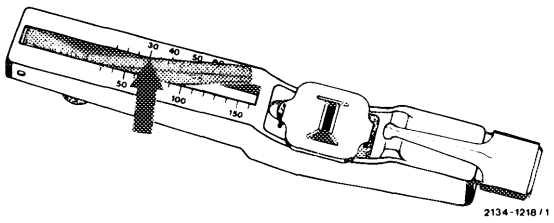
3 Exert a uniform, vertical pressure on V-belt upper surface by means of pushbutton, until click spring is audibly (or noticeably) disengaging.

Note: Upon disengagement of click spring, do not continue pushing on measuring instrument, since otherwise a wrong measuring value will be indicated.

4 Carefully lift measuring instrument from V-belt. Avoid knocks against instrument and do not change position of indicator arm.

5 Read tensioning value at point of intersection of indicator arm and upper scale (KG scale, arrow).

The respective adjusting values refer to upper scale of measuring instrument.



Replacement

Check condition of V-belt

Replace cracked, porous, burnt or worn V-belts.

Attention!
If one of the two V-belts of double belt drive for alternator and coolant pump fails due to wear, always replace both V-belts on principle.

Use only V-belts in pairs made by one and the same manufacturer.

V-belts are available as spare parts in sets only.

1 Move tensioning device or units into starting position.

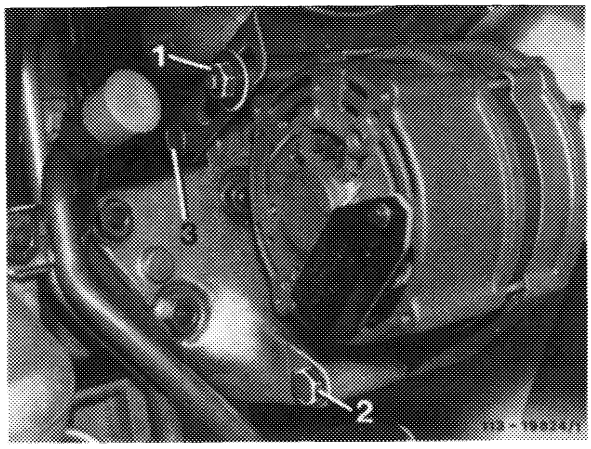
2 Mount V-belt without using force.

3 Tension V-belt.

Tensioning

V-belt A Alternator – coolant pump

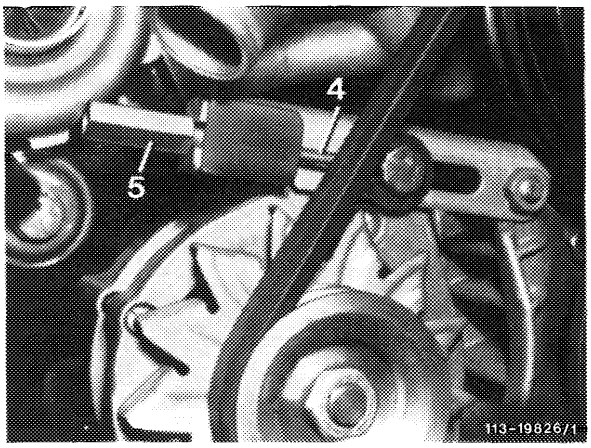
1 Loosen nut (1) and screws (2 and 3).



2 Tension V-belt by means of nut (5) of tensioning screw (4).

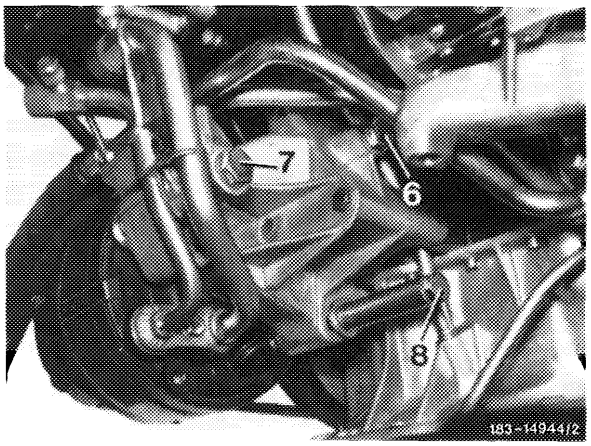
3 Tighten nut (1) and screws (2 and 3).

4 Continue turning nut (5) by approx. 1/4 to 1/2 turn (to tight seat).



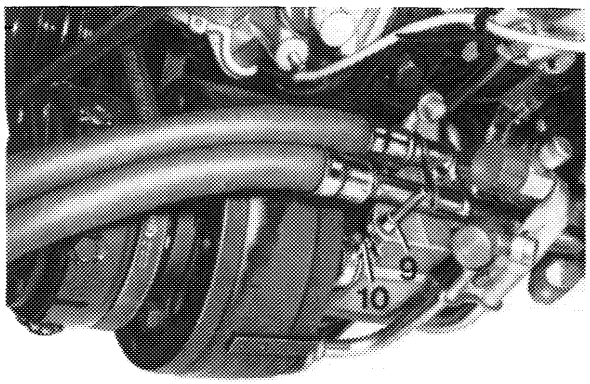
V-belt B Refrigerant compressor

1 Loosen screws (6, 7 and 8).



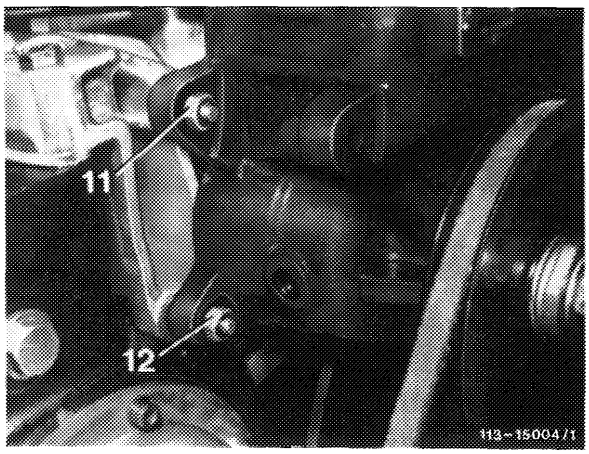
2 Tension V-belt by means of nut (9) of tensioning screw (10).

3 Tighten screws (6, 7 and 8).



V-belt C Power steering pump

1 Loosen nuts (11, 12 and 13).



2 Tension V-belt by means of tensioning screw (14).

3 Tighten nuts (11, 12 and 13).