






13-340 Replacing and tensioning of V-belts

A. Model 115

V-belt dimensions

V-belt	A Alternator — Coolant pump	B Refrigerant compressor	C Power steer- ing pump	D Vacuum pump	E Air pump
Engine 115.923/926 115.951	9.5 x 935 9.5 x 940 ¹⁾	12.5 x 1375	12.5 x 750	—	—
 1974	9.5 x 910		12.5 x 868	9.5 x 838	9.5 x 760
 1975					
   1976					

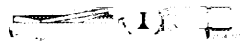
¹⁾ Second version and replacement for V-belt 9.5 x 935.

V-belt adjusting values

V-belt (width of profile in mm)	KG scale on measuring instrument	
	New V-belts	Used V-belts
9.5	30	20-25
12.5	50	40-45

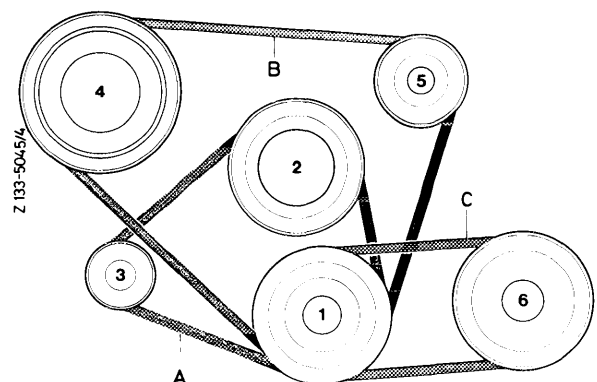
Special tool

Measuring instrument (Krikrit) for
measuring V-belt tension



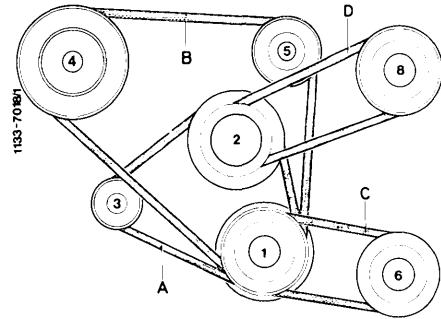
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- | | |
|----------------|--------------------------|
| 1 Crankshaft | 4 Refrigerant compressor |
| 2 Coolant pump | 5 Tensioning roller |
| 3 Alternator | 6 Power steering pump |



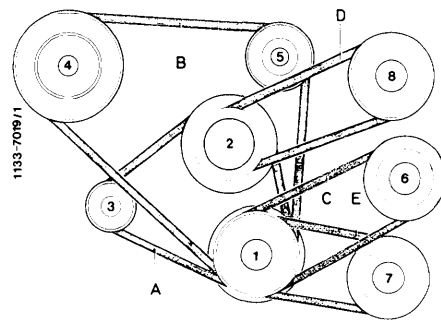
USA 1974

- | | |
|--------------------------|-----------------------|
| 1 Crankshaft | 5 Tensioning pulley |
| 2 Refrigerant pump | 6 Power steering pump |
| 3 Alternator | 8 Vacuum pump |
| 4 Refrigerant compressor | |



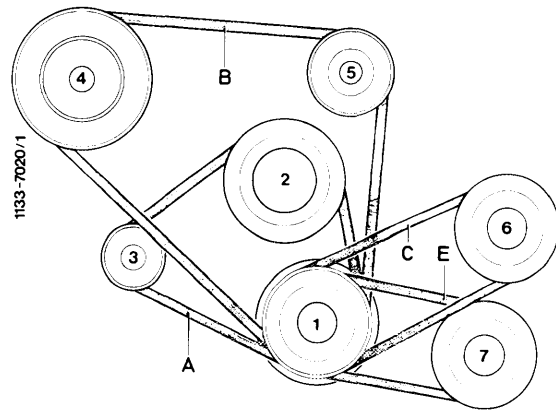
USA 1975

- | | |
|--------------------------|-----------------------|
| 1 Crankshaft | 5 Tensioning pulley |
| 2 Refrigerant pump | 6 Power steering pump |
| 3 Alternator | 7 Air pump |
| 4 Refrigerant compressor | 8 Vacuum pump |



J S USA 1976

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



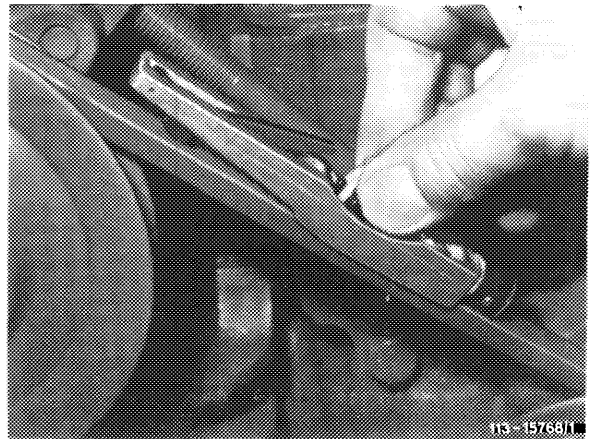
Note

For checking V-belt tension, the measuring instrument "Krikitt" is recommended.

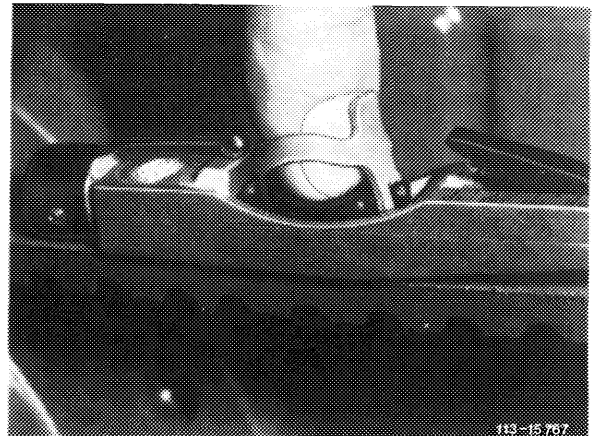
Handling of measuring instrument

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

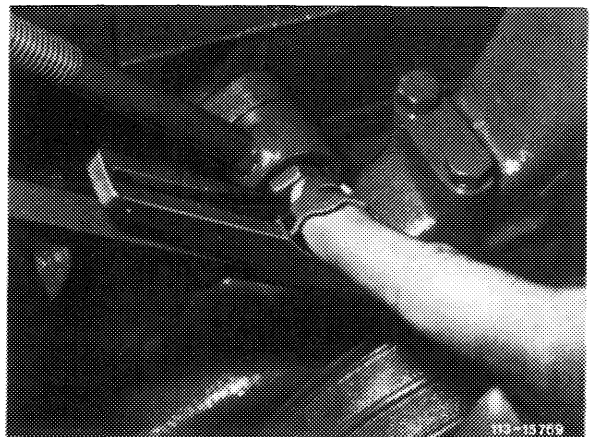
a) With thumb and index finger at rubber loop, with finger tips resting on push button.



b) With index finger from above in rubber loop.

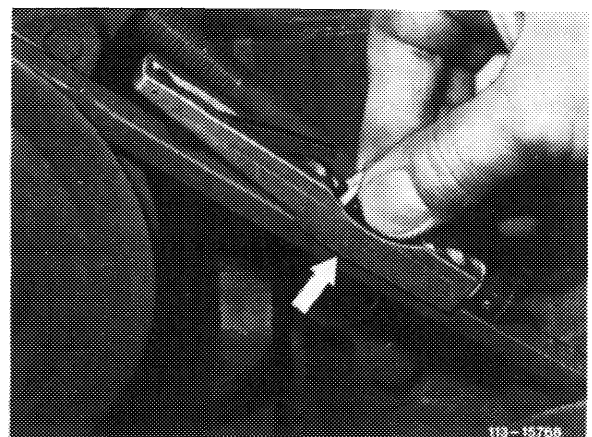


c) With index finger laterally between rubber loop and push button.



Checkup

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



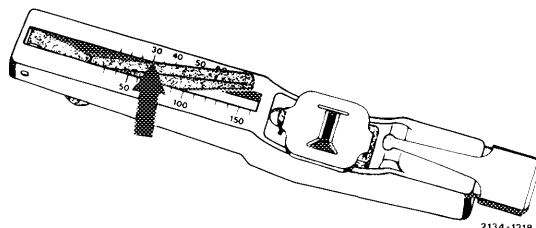
3 Exert a uniform, vertical pressure on V-belt top with push button until click spring disengages audibly or noticeably.

Note: Following disengagement of click spring, do not continue pressing on measuring instrument, since this will result in a wrong measuring value indication.

4 **Carefully** lift measuring instrument from V-belt. Prevent impacts and do not change position of indicating arm.

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

The values specified on Table refer to the upper scale (KG scale) of measuring instrument.



Renewing

Check condition of V-belt.

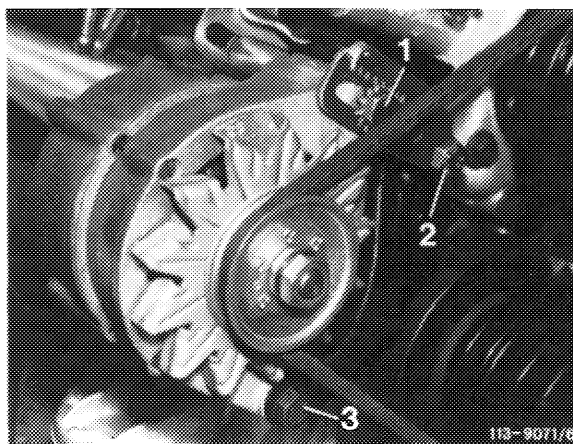
Renew cracked, burnt or worn-out V-belts.

- 1 Loosen tensioning devices or units.
- 2 Mount V-belt without using any force.
- 3 Tension V-belt.

Tensioning

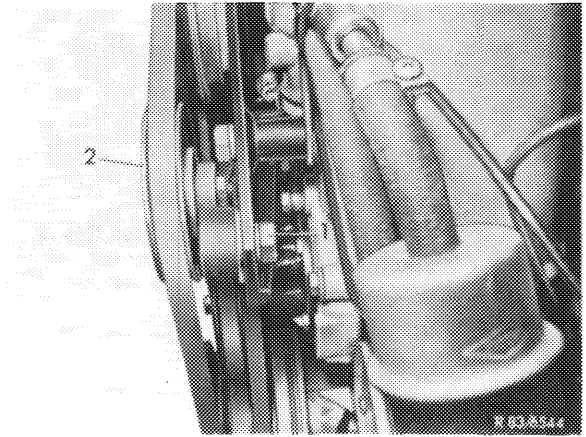
V-belt A Alternator – coolant pump

- 1 Loosen nuts of clamping screw (1) and fastening screws (2 and 3).
- 2 Tension V-belt by means of tensioning screw (1) and tighten nut of tensioning screw.
- 3 Tighten nuts of fastening screws (3 and 2).



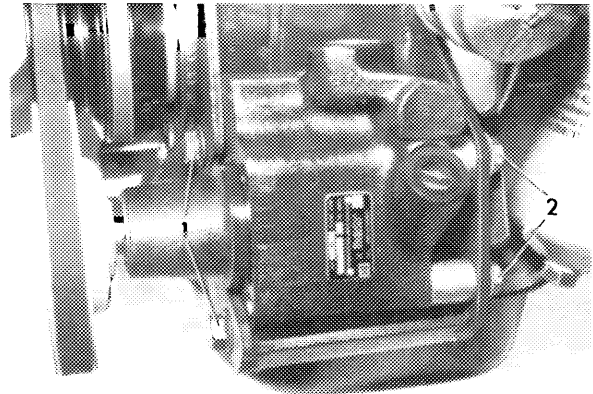
V-belt B Refrigerant compressor

- 1 Loosen fastening screw (1).
- 2 Tension V-belt by swivelling tensioning pulley (2).
- 3 Tighten fastening screw (1).



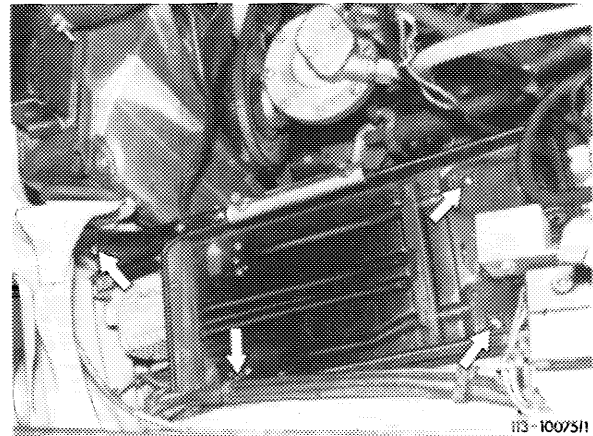
V-belt Power steering pump Standard version

- 1 Loosen fastening screws (1 and 2).
- 2 Push power steering pump with lever in outward direction to tension V-belt.
- 3 Tighten fastening screws (1 and 2).

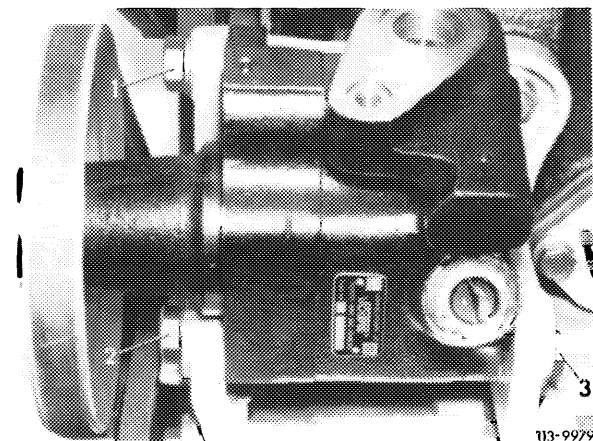


V-belt C Power steering pump (J) and (S) 1976, (USA) 1975/76

- 1 On (J) 1976 and (USA) 1975/76, pull out charcoal canister in upward direction and remove battery with battery carrier (fastening screws refer to arrows).



- 2 Loosen fastening screws (1, 2 and 3).



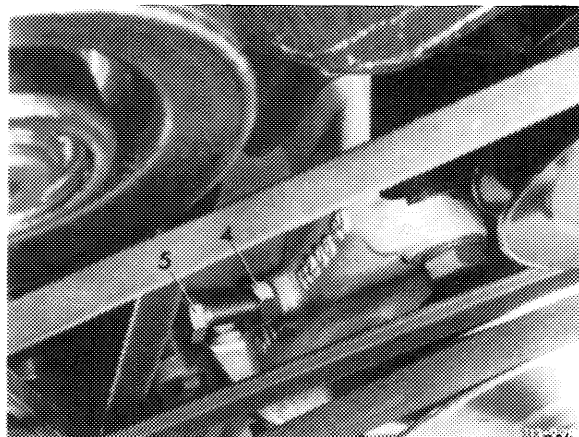
3 Loosen counter nut (4) at the rear of combination carrier and tension V-belt by means of tensioning screw (5).

4 Tighten counter nut as well as fastening screws.

Attention!

Make sure of unobstructed operation of feed line to power steering pump.

5 On (J) 1976 and (USA) 1975/76, install charcoal canister and battery carrier with battery.



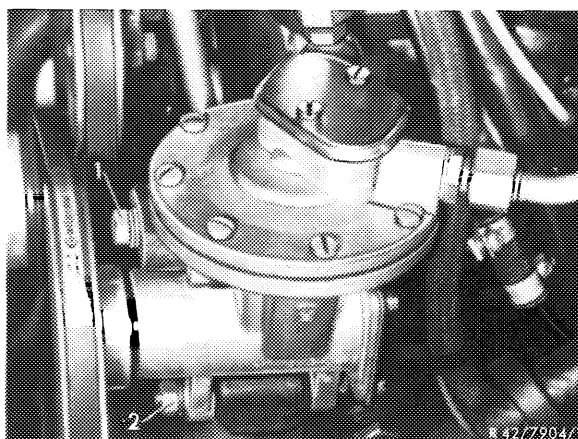
V-belt D Vacuum pump

(USA) 1974/75

1 Loosen fastening screws (1 and 2).

2 Tighten V-belt by swivelling vacuum pump outwards.

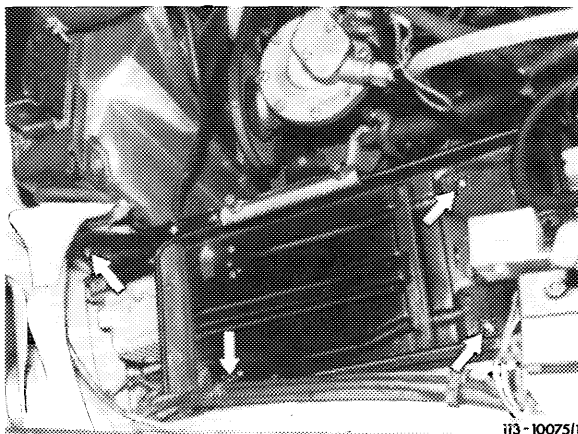
3 Tighten fastening screws.



V-belt E Air pump

(J) (S) 1976, (USA) 1975/76

1 On (J) 1976 and (USA) 1975/76, pull out charcoal canister in upward direction and remove battery with battery carrier (arrows = fastening screws).

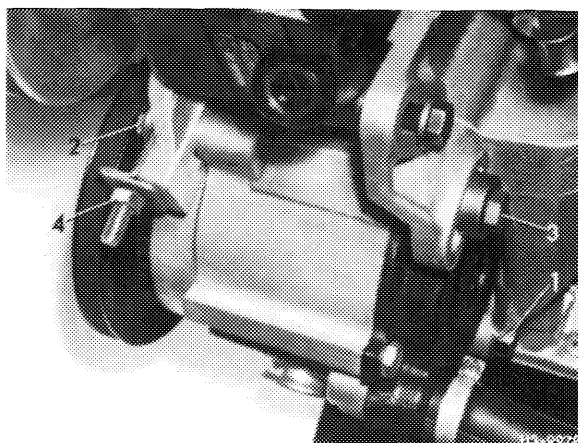


2 Loosen fastening screw (1) and clamping screws (2 and 3).

3 Tension V-belt with nut (4).





4 Tighten clamping and fastening screws.

5 On (J) 1976 and (USA) 1975/76, install charcoal canister and battery carrier with battery.






B. Model 123

V-belt dimensions

V-belt	Version	A Alternator -- Coolant pump	B Refrigerant compressor	C Power steer- ing pump	D Air pump
Engine 115.938 115.939 115.954	Standard	9.5 x 935 9.5 x 940 ¹⁾ 9.5 x 960 ²⁾	12.5 x 1350	12.5 x 750	---
	 1977-1980  1977-1981  1977/78	9.5 x 910		12.5 x 850	9.5 x 825 9.5 x 850 ³⁾
	 1977-1981	9.5 x 940			9.5 x 760 ⁴⁾ 9.5 x 825 9.5 x 850 ³⁾

1) 2nd version and replacement for V-belt 9.5 x 935.

2) Vehicles with manual transmission as from April 1978.

3) 2nd version   , starting 1980.

4) Vehicles without power steering pump.

V-belt adjusting values

V-belt (width of profile in mm)	KG scale on measuring instrument	
	New V-belts	Used V-belts
9.5	30	20-25
12.5	50	40-45

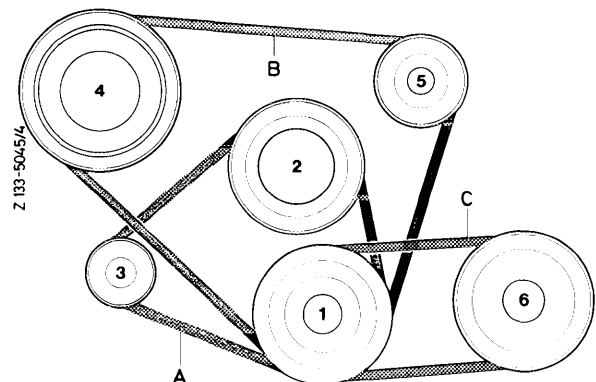
Special tool

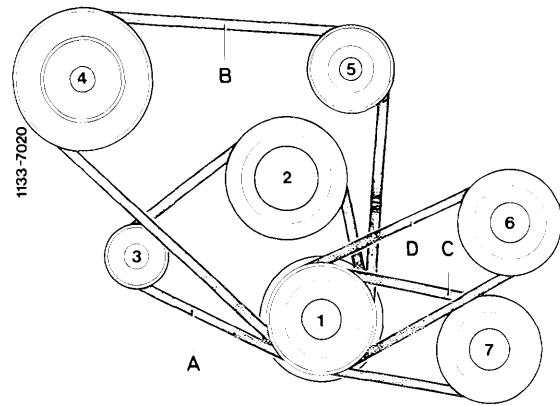
Measuring instrument (Krikrit) for
measuring V-belt tension



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





AUS **J** **S** **USA** starting 1977

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

Note

For checking V-belt tension, the measuring instrument "Krikkit" is recommended. For instructions concerning handling of the instrument and for checkup of V-belt tension, refer to section A, model 115.

Replacing

Check condition of V-belt.

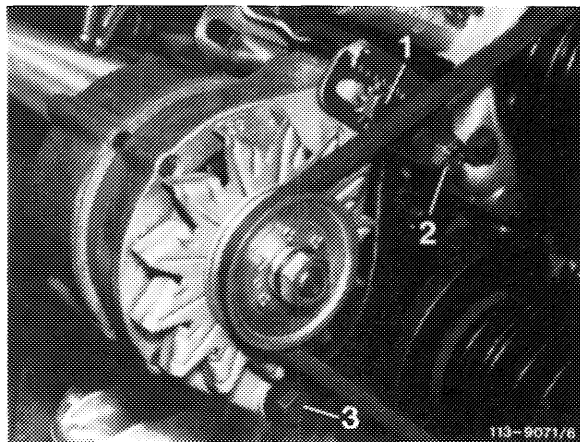
Replace cracked, burnt or worn-out V-belts.

- 1 Loosen clamping devices or units.
- 2 Mount V-belt without using any force.
- 3 Tension V-belt.

Tensioning

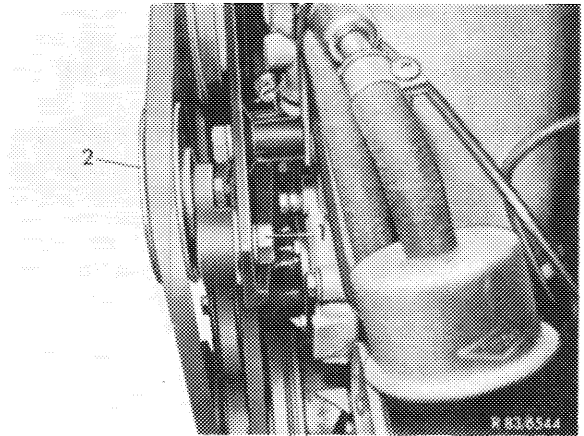
V-belt A Alternator – coolant pump

- 1 Loosen nuts of clamping screw (1) and fastening screws (2 and 3).
- 2 Tighten V-belt and nut of clamping screw by means of tensioning screw (1).
- 3 Tighten nuts of fastening screws (3 and 2).



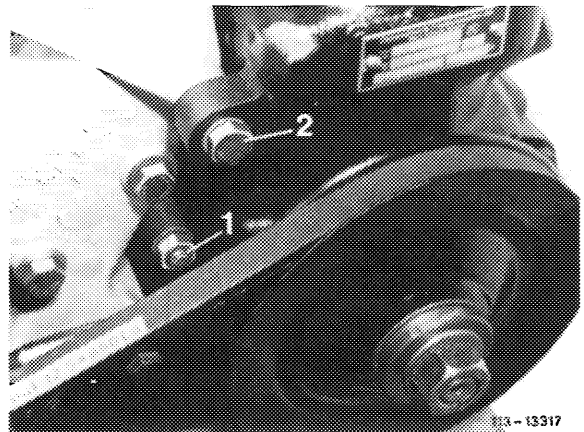
V-belt B Refrigerant compressor

- 1 Loosen fastening screw (1).
- 2 Tighten V-belt by swivelling tensioning roller (2).
- 3 Tighten fastening screw.

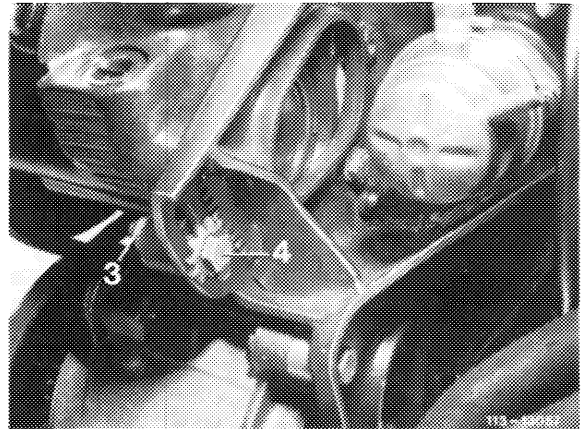


V-belt C Power steering pump

- 1 Loosen screw (2) as well as nuts (1 and 3).



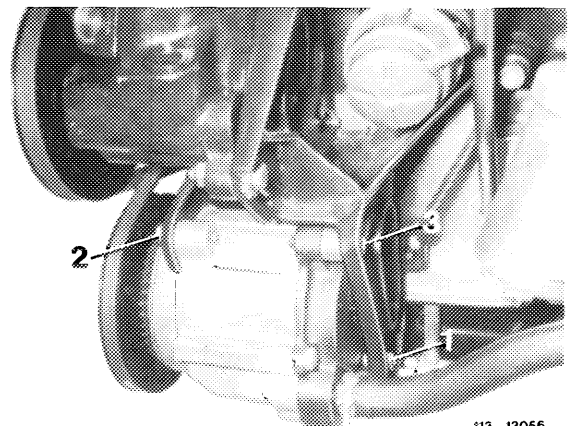
- 2 Tighten V-belt by means of tensioning screw (4).
- 3 Tighten nuts (3 and 1) as well as screw (2).



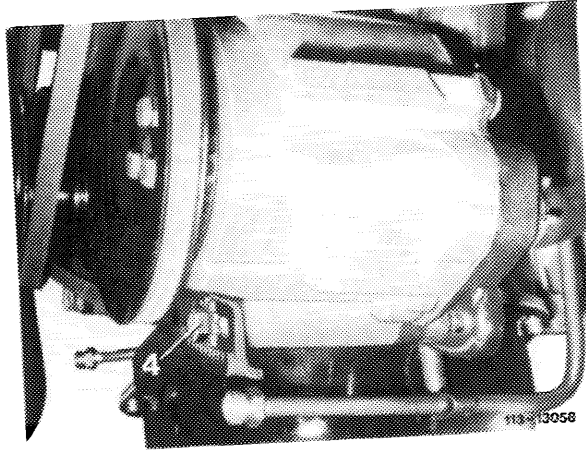
V-belt D Air pump

(AUS) (J) (USA) and (S) with power steering pump starting 1977

- 1 Loosen fastening screws (2 and 3) as well as nut (1).



- 2 Tension V-belt by means of tensioning screw (4).
- 3 Tighten nut (1) and fastening screws (2 and 3).



V-belt D Air pump
 Ⓢ without power steering pump starting 1977

- 1 Loosen fastening screws (1, 2 and 3).
- 2 Tension V-belt by means of tensioning nut (4).
- 3 Tighten fastening screws (1, 2 and 3).

