

**Data, test values**

<b>Designation:</b>	<b>Models with 4- and 5-cylinder engines</b>	<b>Models with 6-cylinder engines</b>
Electromagnetic shutoff clutch 12 V	Pitss 6.0 inch	Pitts 6.7 inch
<b>Power input</b>	Cold 3.5 amps	Warm 2.8 amps
<b>Tightening torques</b>		Nm      (kpm)
Screws (1) of coupler		max. 13.5    (max. 1.35)
Screw (2) of pulley		25 + 5      (2.5 + 0.5)

**Special tool**

Pulling screw for pulley	100 589 00 35 00
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**Conventional tools**

Double open end wrench 3/8" x 7/16", 1/2" x 9/16"

**Note**

For pulling pulley from crankshaft of refrigerant compressor (with V-belt in place), energize electromagnetic clutch (clutch pulling). With refrigerant compressor removed, hold pulley carefully in place with water pump pliers while supporting pliers against fastening screws of coupler.

Prior to removing clutch, check power input on clutch. If power input exceeds 6.0 amps, replace clutch.

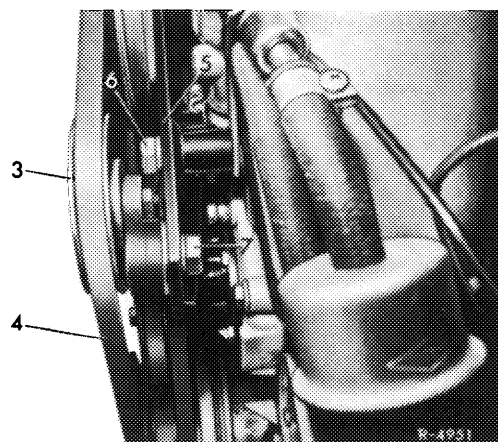
**Removal**

1 Actuate electromagnetic clutch by switching-on ignition, cooling blower and temperature switch.

2 Remove V-belt for refrigerant compressor by loosening hex. screw (7) or necked-down screw (1) and swivelling guide pulley (3) inwards or slackening V-belt with adjusting screw (2).

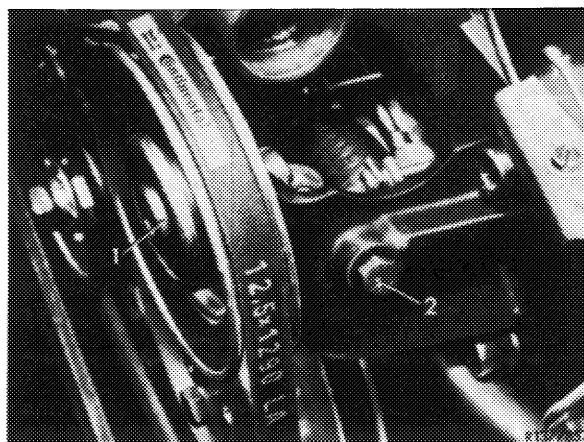
Guide pulley on carrier (except engine 110)

- |                |                               |
|----------------|-------------------------------|
| 3 Guide pulley | 6 Hex. screw                  |
| 4 V-belt       | 7 Hex. screw for guide pulley |
| 5 Carrier      |                               |



Guide pulley on cylinder head engine 110

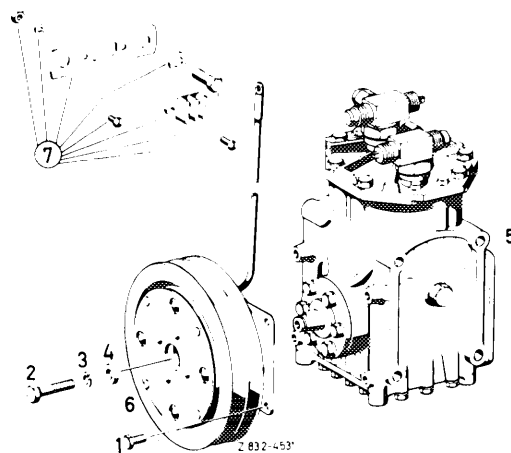
- |                     |
|---------------------|
| 1 Necked-down screw |
| 2 Tensioning screw  |



3 Pull clutch from compressor crankshaft by means of pulling screw. Then switch off ignition.

4 Loosen electric lines on cable connector (7).

5 Unscrew hex. screws (1) and remove inner half of clutch, coupler with winding (coil).



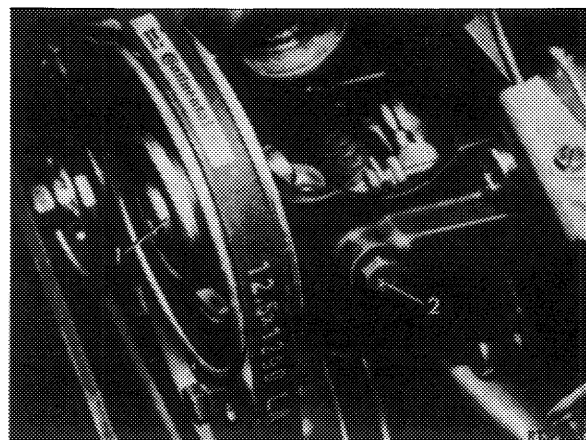
## Installation

If the same clutch is reinstalled, check friction surfaces of clutch for damage. If the friction surfaces are showing score marks or burned spots, caused by overheating, replace complete clutch.

7 Screw inner half of clutch (coupler with coils) to compressor. Insert spring washer into groove of crankshaft and mount outer clutch half.

8 Connect electric lines and mount V-belt. Tension V-belt clockwise by means of adjusting screw (2) or eccentrically attached guide pulley. Tension V-belt in such a manner that belt will yield for approx. 5–10 mm under thumb pressure from above. Then tighten necked-down screw (1) or hex. screw (7).

9 Actuate electromagnetic clutch while switching-on ignition and air conditioning system. Then tighten hex. screw of pulley.



10 Check electromagnetic clutch for function.