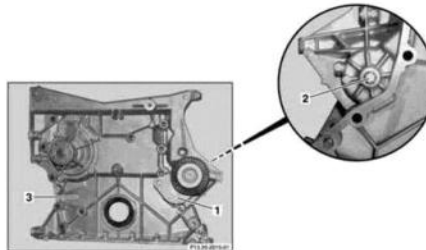


Drive Belt Tensioner: Service and Repair

Remove/install poly V-belt tensioning device

- 1 Tensioning device
- 2 Bolt
- 3 Timing case cover



	Danger!	Lethal injuries are possible if vehicle slips off of lifting platform	Align vehicle between the columns of the hydraulic hoist and position the four support plates below the hoist support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
1		Remove compressor		AR09.50-P-4705QK
2		Unscrew bolts (2) of tensioning device (1)	The bolt (2) is located on the reverse side of the timing case cover (3). 	*BA13.25-P-1001-01I
3		Remove tensioning device (1)		
4		install in the reverse order		

Belt tensioning device

Number	Designation	Engine
271		
BA13.25-P-1001-01I	Bolts attaching belt tensioner to timing case cover	NM 58

Drive Belt: Testing and Inspection

AP13.22-P-1352Z Check Visible Area Of Poly-V Belt For Wear

AP13.22-P-1352Z Check Visible Area Of Poly-V Belt For Wear

1 Poly-V-belt

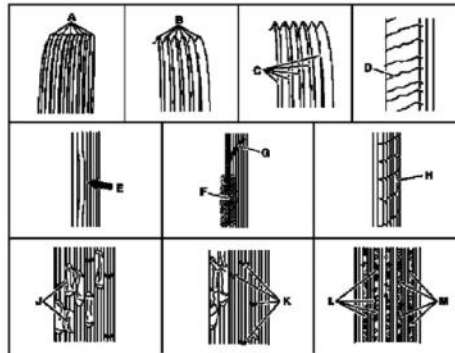


P13.22-2130-01

Component Identification

Damage diagram

- A New poly-V
- B Wear to flanks: Poly-V are pointed (new, trapvaderl)
- C Tensile cord in poly-V belt visible (bright points)
- D Transverse cracks on the cover plate
- E Poly-V released from base of the poly-V belt (arrow)
- F Fraying of outer cords
- G Cord torn out at the side
- H Transverse cracks in several poly-V
- J Poly-V fractures
- K Single poly-V transverse cracks
- L Dirt or stones embedded in ribs
- M Rubber lumps in base of poly-V belt



P13.22-0004-06

Component Identification

3	Checking		
2	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between columns of vehicle lift and position four support tables at vehicle lift support points specified by vehicle manufacturer	AS00.00-Z-0010-01A
1	Check poly-V belt (!) for signs of wear on visible points on lowered and raised vehicle and compare against damage profiles	<p>⚠ Replace the poly-V-belt (!) if worn ↓</p> <p>Remove/install poly V-belt:</p> <p>Engine 104</p> <p>Engine 111 except 111.958/905/983</p> <p>Engine 111.935 in model 170.444</p> <p>Engine 111.933 in model 170.449</p> <p>Engine 111.935 in model 203.043/245/745</p> <p>Engine 112 in model 129.165.</p> <p>Engine 115 (except 113.681/965) in model 202.20R, 129, 210, 183</p> <p>Engine 112 in Model 170</p> <p>Engine 112 in model 202.20S, 365/465, 210.</p> <p>Engine 112 in model 220.003/065/007/007/183/185/167/187.</p> <p>Engine 115 in model 215.373/075.</p> <p>Engine 115 in model 220.070/073/075/063/064/170/173/175/183/184/575.</p> <p>Engine 113.584 in model 209.374/474</p> <p>Engine 112.912 in model 203.061/261.</p> <p>209.261/461.</p> <p>Engine 112.946 in model 203.064/264/764</p> <p>Engine 113.986 in model 209.376/476</p> <p>Engine 112.913 in model 211.061/261</p> <p>Engine 112.949 in model 211.065/265</p> <p>Engine 113.987 in model 211.070/270</p> <p>Engine 113.987 in model 209.376/476</p> <p>Engine 112.935 in model 209.363/465</p> <p>Engine 112.916 in model 203.081/281</p> <p>Engine 112.935 in model 203.084/284</p> <p>Engine 112.917 in model 211.060/260</p> <p>Engine 112.934 in model 211.062/262</p> <p>Engine 113.989 in model 211.063/263</p> <p>Engine 113.988 in model 203.078/278</p> <p>Engine 113.983 in model 230.</p> <p>Engine 113.992/993 in model 230.</p> <p>Engine 113.991 in model 216. 220.</p> <p>Engine 112 in model 230</p> <p>Engine 113.990 in model 211.076/276</p> <p>Engine 113.987 in model 219.375</p> <p>Engine 119</p> <p>Engine 120 in model 129. 140</p> <p>Engine 137 in model 215. 220</p> <p>Engine 166.940/960/990/995.</p> <p>Engine 656.940/941/942 in model 165</p> <p>Engine 166.951/951.</p> <p>Engine 896.914 in model 414.700</p> <p>Engine 271.940 in model 203.042/242/742, 203.342/442.</p> <p>engine 271 in model 211.</p> <p>engine 271.946 in model 203.349/249/749.</p> <p>engine 271.948 in model 203.340/240/740.</p> <p>engine 271.942 in model 203.343, 209.343, 203.245/745.</p> <p>engine 271.921 in model 203.730</p> <p>Engine 602, 603 except Engine 602.982</p> <p>Engine 802.982/983, 604, 605, 808</p> <p>Engine 811.990/991/992.</p> <p>Engine 812.981/962/983/963/986/967/990.</p> <p>Engine 013.900/961</p> <p>Engine 626 in model 211</p> <p>Engine 626 in model 183, 220</p> <p>Engine 646, 647, 648 in model 211</p> <p>Engine 646 in model 220</p>	<p>ra13001041200x</p> <p>AR13.22-P-1202A</p> <p>AR13.22-P-1202NS</p> <p>AR13.22-P-1202FK</p> <p>AR13.22-P-1202B</p> <p>AR13.22-P-1202FV</p> <p>AR13.22-P-1202BA</p> <p>AR13.22-P-1202FV</p> <p>AR13.22-P-1202R</p> <p>AR13.22-P-1202RV</p> <p>AR13.22-P-1202TY</p> <p>ra13001193420x</p> <p>AR13.22-P-1202AO</p> <p>AR13.22-P-1202L</p> <p>AR13.22-P-1202GF</p> <p>AR13.22-L-1202VA</p> <p>AR13.22-P-1202QK</p> <p>AR13.22-P-1202HW</p> <p>AR13.22-P-1202HA</p> <p>AR13.22-P-1202HB</p> <p>AR13.22-P-1202TD</p> <p>AR13.22-P-1202M</p> <p>AR13.22-P-1202T</p> <p>AR13.22-P-1202M2</p> <p>AR13.21-P-1202A</p> <p>AR13.21-P-1202B</p> <p>AR13.21-P-1202FK</p> <p>AR13.21-P-1202FVK</p>
2	Check poly-V belt (!) for signs of wear on visible points on lowered and raised vehicle and compare against damage profiles	Only engines with supercharger	
3		<p>⚠ Replace the poly-V-belt (!) if worn ↓</p> <p>Remove/install supercharger poly-V belt:</p> <p>Engine 111.843/973 in model 170.</p> <p>Engine 111.944/975 in model 202. 206.</p> <p>Engine 111.947 in model 210</p> <p>Engine 111.935 in model 203</p> <p>Engine 271 in model 211.</p> <p>Engine 111.891 in model 203.747</p> <p>Engine 111.935 in model 170.444.</p> <p>Engine 111.933 in model 170.449</p> <p>Engine 111.935 in model 203.043/245/745</p> <p>Engine 113.990 in model 211.076/276.</p> <p>engine 113.991 in model 216.974, 220.074/174.</p> <p>model 113.992/995 in model 230.472/474</p>	
3	(Install in the reverse order)		

Steps 1 - 3