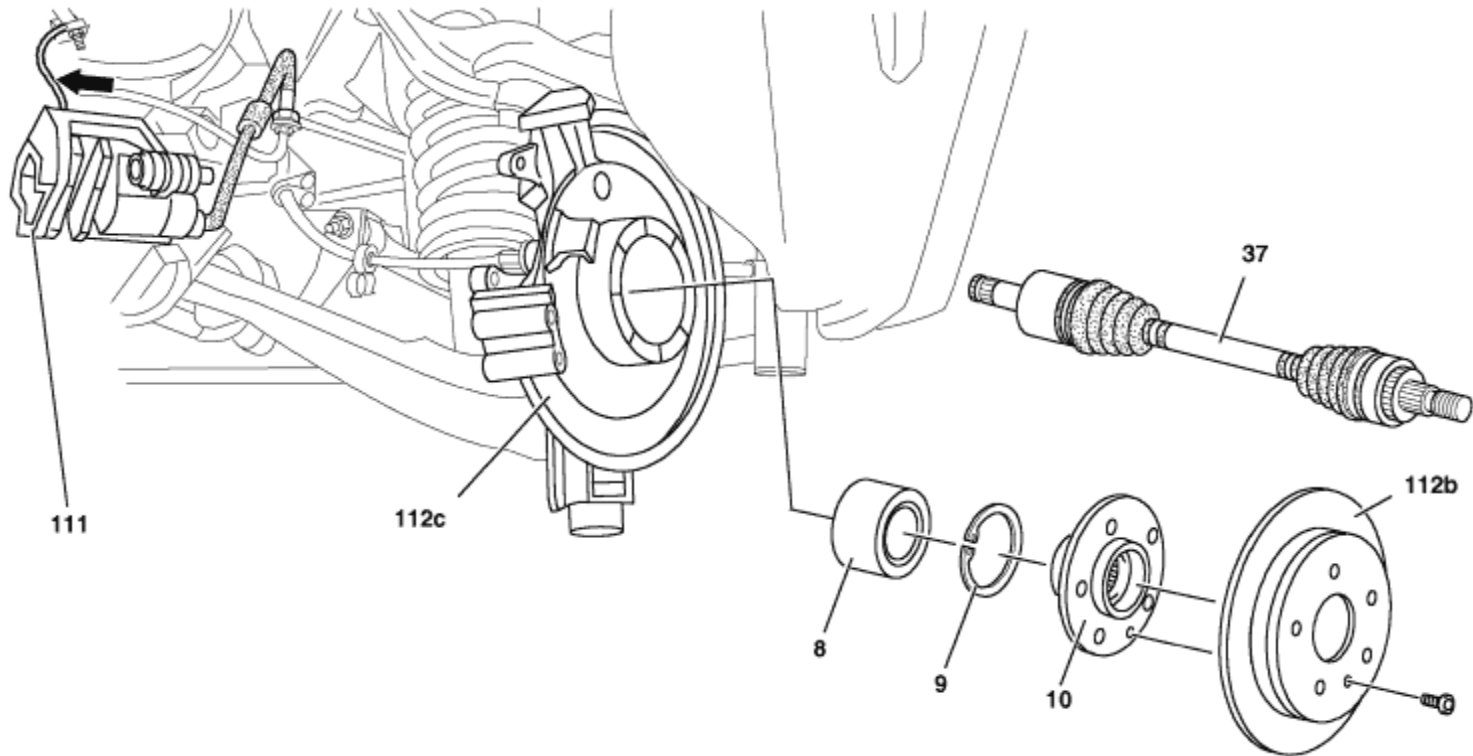


AR35.20-P-0130GH	Remove/install rear axle shaft flange and angular ball bearing	23.1.97
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MODEL 163



P35.20-0281-09












Shown on vehicle with floating caliper










8 Double-row angular ball bearing

9 Circlip
10 Rear axle shaft flange
37 Remove/install

111 Brake caliper
112b Brake disk
112c Brake cover

	Remove/Install		
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1	Remove rear axle shaft (37)		AR35.30-P-0620GH
2	Remove rear axle brake caliper (111)	Model 163.154 up to VIN A289564 Model 163.154/ 157 	AR42.10-P-0080GH
		 Hang floating brake caliper/fixed brake caliper to one side using hook to prevent damage to brake hose.  Leave brake hose connected.	
3	Remove brake disc (112b)	Model 163.154 up to VIN A289564 Model 163.154/ 157 	AR42.10-P-0220GH
4	Remove parking brake shoes		AR42.20-P-0530GH
5	Pull out rear axle shaft flange (10) (wheel carrier installed)	 Hydraulic extraction tool: Tighten pressure screw of hydraulic auxiliary press to max. 40 Nm only, otherwise extraction tool and hydraulic auxiliary press could be destroyed!	AR35.20-P-0130-01B
		 Extractor tool	202 589 04 43 00
		 Pressure screw	202 589 04 43 11
		 Extraction and insertion tool	140 589 08 43 00
		 If the rear axle shaft flange is too tight to be extracted with a force of 40 Nm, the wheel carrier must be removed and a stationary press used: ↓	
		Remove wheel carrier: ↓	AR35.20-P-0115GH
		Pull out jammed rear axle shaft flange (wheel carrier removed)	AR35.20-P-0130-04GH
		 Extractor tool	202 589 04 43 00
		 Extraction and insertion tool	140 589 08 43 00

6	Remove locking ring (9)	 Installation: Ensure that retaining ring is firmly seated in wheel carrier.	
		 Pliers for locking ring, inside (dia. 85 - 165 mm)	WH58.30-Z-1011-02A
7.1	Remove brake caliper dust shield (112c)	 If necessary.	
			BA42.10-P-1003-06A
8	Pull double-row angular ball bearing (8) out of wheel carrier		AR35.20-P-0130-03A
		 Removal and installation tool	140 589 08 43 00
9	Pulling inner bearing race off rear axle shaft flange		AR35.20-P-0130-02A
		 Thrust piece	124 589 02 34 00
		 Puller	001 589 50 33 00
		 Collet chuck	140 589 01 34 00
	Inspect		
10	Check lateral and radial runout of rear axle shaft flange (10)	Permissible lateral runout	BE35.20-P-1001-01A
		Permitted vertical runout	BE35.20-P-1002-01A
		If test values are exceeded: ↓ Replace rear axle shaft flange	
11	Install in the reverse order		

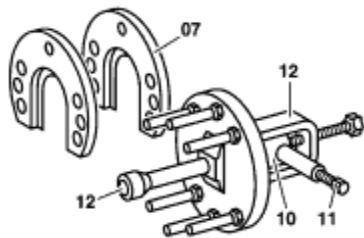
Test values for rear axle shaft flange

Number	Designation		Model Series 163
BE35.20-P-1001-01A	Permissible lateral runout of rear axle shaft flange when removed	mm	0,03
BE35.20-P-1002-01A	Permissible radial runout of rear axle shaft flange at hub centering when	mm	0,03

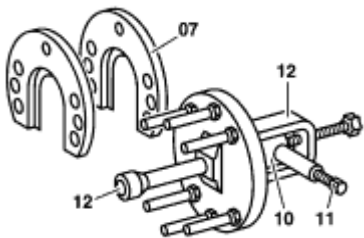
	removed		
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Nm Brake discs, brake caliper dust shield

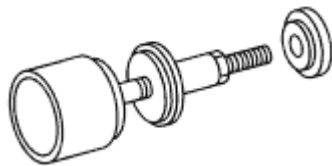
Number	Designation	Model Series 163	
BA42.10-P-1003-06A	Bolt, brake caliper dust shield to steering knuckle/ wheel carrier	M6 NM	10
		M8 NM	-



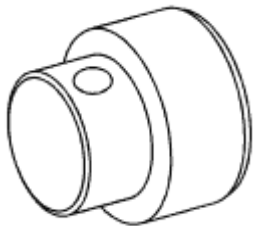
202 589 04 43 00
Extraction tool



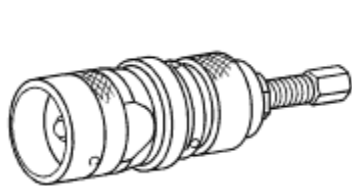
202 589 04 43 11
Thrust bolt



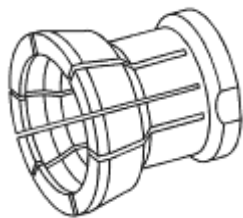
140 589 08 43 00
Extraction and installation tool



124 589 02 34 00
Thrust piece



001 589 50 33 00
Puller



140 589 01 34 00
Clamping pliers

Commercially available tools (see Workshop Equipment Manual)

Number	Designation	Make (e. g.)	Order number
WH58.30-Z-1011-02A	Pliers for circlip, inner (Ø 85 - 165 mm)	Hazet Güldenwerther Bahnhofstraße 25-28 D-42857 Remscheid	1846a-4