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WEST FARMS WELDING

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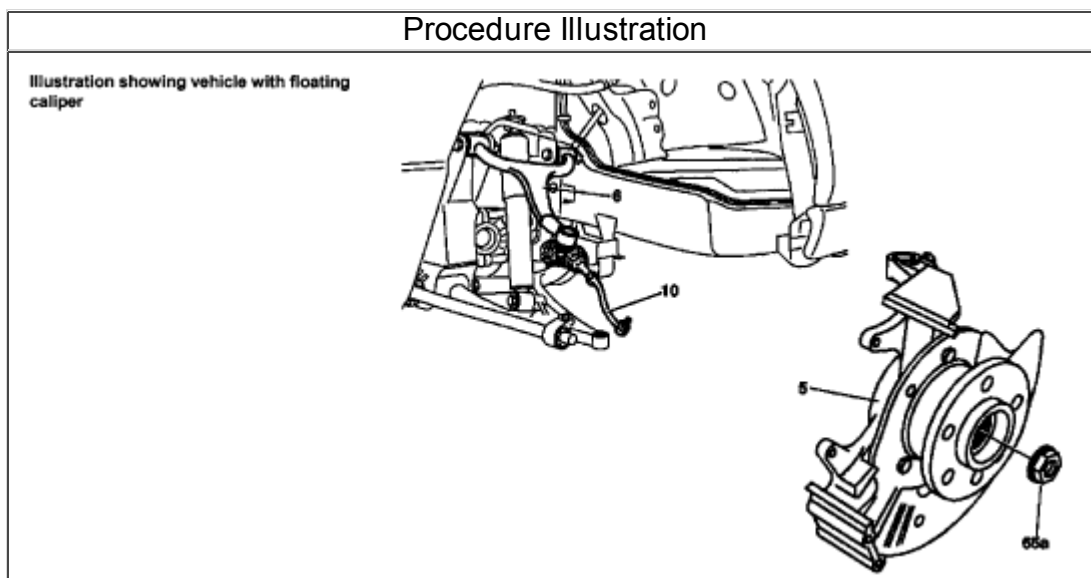
1998 Mercedes Benz Truck ML 320 (163.154) V6-3.2L (112.942)

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














Service and Repair

[Notes](#)

Removing and Installing Steering Knuckle





Service Procedures (Steps 1 - 9)

	Removing, installing		
	Installation	Replace self-locking nuts and bolts	
1	Remove front wheels		AP40.10-P-4050GH
2	Detach hexagon collared nut (65a) from front axle shaft	 Installation: Replace hexagon collared nut (65a). 	*BA33.30-P-1001-02B
3	Undip cables for speed sensor and brake lining wear indicator from guides	 Installation: Ensure cable is correctly routed.	
4	Remove brake disc		AR42.10-P-0220GH
5	Remove speed sensor with bracket from steering knuckle		AR42.30-P-0712GH
6	Detach tie rod (10) from steering knuckle	Check rubber boot and ball joint for wear and damage.  Thrust piece  Puller 	AR46.40-P-0200-02C *140589006300 *202589023300 *BA46.40-P-1001-01C
7	Press follower joint out of upper wishbone (6) using puller	Check rubber boot and ball joint for wear and damage.  Thrust piece  Support  Press 	AR33.20-P-0500-01GH *129589106300 *163589014300 *163589034300 *BA33.20-P-1001-01D
8	Push front axle shaft out of front axle shaft flange	 Extraction and insertion tool	AR33.30-P-0620-04GH *210589034300
9	Press supporting joint out of lower wishbone	 Secure steering knuckle to prevent it falling. Check rubber boot and ball joint for wear and damage.  Thrust piece 	AR33.20-P-0440-02GH *140589006300 *BA33.20-P-1002-01D

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Service Procedures (Steps 10 - 13)

10	Remove steering knuckle (5) to the front		
	Inspecting		
11	Check supporting joint		AR33.20-P-0425GH
12	Install in the reverse order		
13	Carry out chassis alignment check.	 After installation of new parts.	AR40.20-P-0200GH

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Specifications, Wheel Location, Hub

Number	Designation		Model 163
BA33.20-P-1001-01D	Self-locking nut, upper wishbone follower joint to steering knuckle	Nm	50
BA33.20-P-1002-01D	Self-locking nut, supporting joint to steering knuckle	Nm	85

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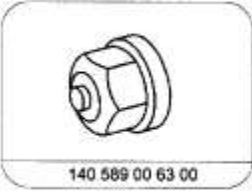

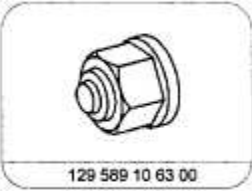
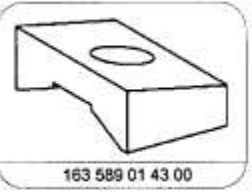
Specifications, Front Axle Shaft

Number	Designation	Model 163
BA33.30-P-1001-02B	Nut, front axle shaft to front axle shaft flange Nm	490

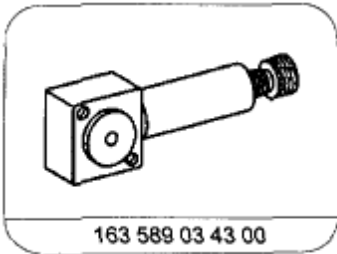
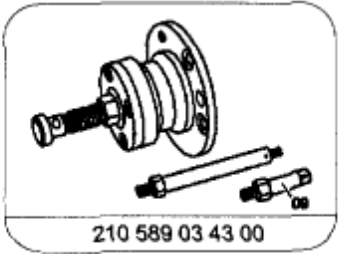
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Specifications, Tie Rod		
Number	Designation	Model 163
BA46.40-P-1001-01C	Self-locking nut, track rod to steering knuckle Nm	55

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Special Tools, Part 1 Of 2			
			
140 589 00 63 00 Thrust piece	202 589 02 33 00 Pulser	129 589 10 63 00 Thrust piece	163 589 01 43 00 Support

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Special Tools, Part 2 Of 2	
	
163 589 03 43 00 Press	210 589 03 43 00 Extraction and installation tool

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