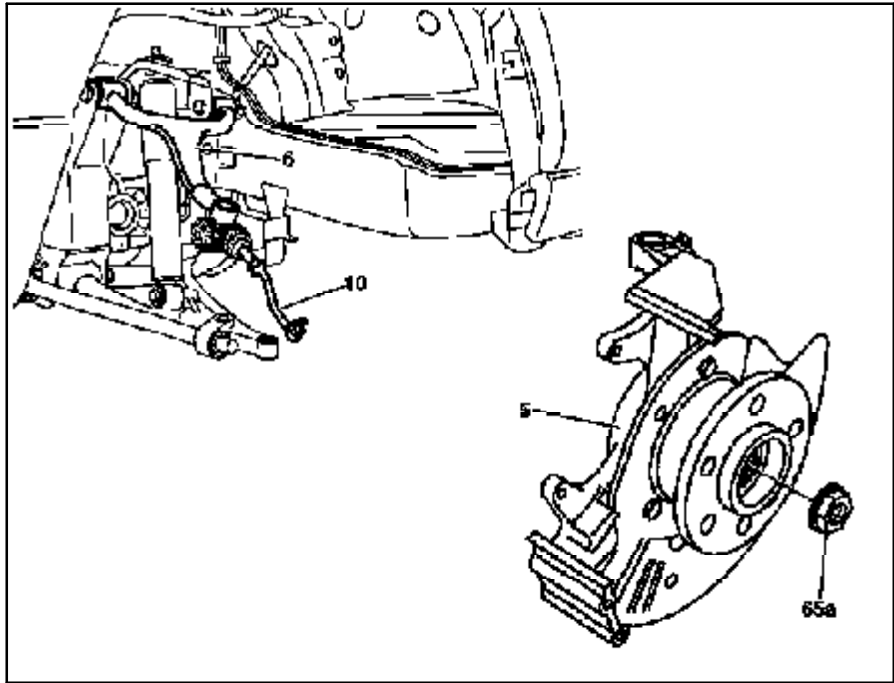


MODEL 163.113 /128 /136 /154 /157 /172 /174 /175

Shown on vehicle with floating caliper



P33.25-0245-06

e d	Remove/Install		
p	Notes on self-locking nuts and bolts	All models	AH00.00-N-0001-01A
1	Remove front wheels Remove/install wheels, rotate if necessary		AP40.10-P-4050GH
2	Detach collar nut (65a) from front axle shaft	i Installation: Replace collar nut (65a) n	*BA33.30-P-1001-02B
3	Unclip cables for speed sensor and brake lining wear indicator from guides	i Installation: Pay attention to correct line routing.	
4	Remove brake disc	i Model 163.113 up to VIN A289564, X754619, model 163.154 up to VIN A289564, 163.136, models 163.154 /157 with USA version, code 494a i Model 163.113 as of VIN A289565, X754620, model 163.154 as of FIN A289565, 163.128 /172 /174 /175, models 163.154 /157 except USA version, code 494a	AR42.10-P-0220GH AR42.10-P-0220GI
5	Remove rpm sensor with bracket from steering knuckle		AR42.30-P-0712GH
6	Detach tie rod (10) from steering knuckle	i Check rubber boot and ball joint for wear and damage. n I Thrust piece I Puller	AR46.40-P-0200-02C *BA46.40-P-1001-01C *140589006300 *202589023300
7	Press out follower joint from upper transverse control arm (6) using puller	i Check rubber boot and ball joint for wear and damage. n I Thrust piece I Support I Press	AR33.20-P-0500-01GH *BA33.20-P-1001-01D *129589106300 *163589014300 *163589034300
8	Press front axle shaft out of front axle shaft flange	I Extraction and insertion tool	AR33.30-P-0620-04GH *210589034300

9	Press supporting joint off lower wishbone	<p>p Secure steering knuckle to prevent it from falling down, in order to rule out damage to the steering knuckle</p> <p>i Check rubber boot and ball joint for wear and damage.</p> <p>n</p> <p>l Thrust piece</p>	AR33.20-P-0440-02GH *BA33.20-P-1002-01D *140589006300
10	Remove steering knuckle (5) forwards		
g	Check		
11	Check supporting joint Inspect front axle joint for play, inspect rubber boots		AP33.20-P-3353GH
12	Install in the reverse order		
13.1	Perform chassis alignment check	i After installation of new parts.	AR40.20-P-0200GH

n Wheel location, hub

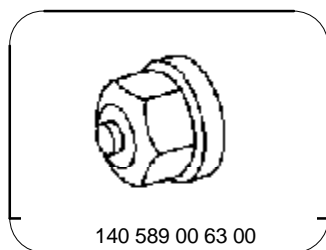
Number	Designation		Model 163
BA33.20-P-1001-01D	Self-locking nut, upper wishbone follower joint to steering knuckle	Nm	50
BA33.20-P-1002-01D	Self-locking nut, supporting joint to steering knuckle	Nm	85

n Front axle shaft

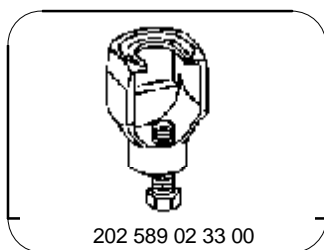
Number	Designation		Model 163
BA33.30-P-1001-02B	Nut, front axle shaft to front axle shaft flange	Nm	490

n Track rod

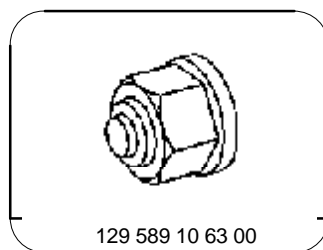
Number	Designation		Model 163
BA46.40-P-1001-01C	Self-locking nut, tie rod to steering knuckle	Nm	55



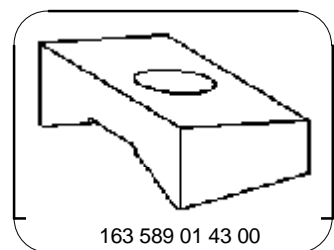
Thrust piece



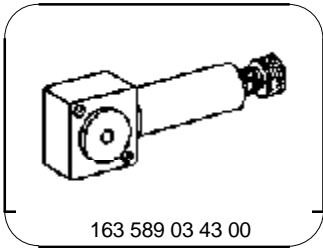
Puller



Thrust piece

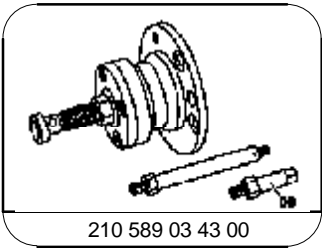


Support



163 589 03 43 00

Press



210 589 03 43 00

Extraction and installation tool