

P32.20-2139-09

Shown on vehicle with Airmatic (air suspension with level adjustment and Adaptive Damping System ADS), code 489. For better overview shown with engine compartment paneling at the bottom or soundproofing removed

- 1 Stabilizer bar
- 2 Bolts
- 3 Retaining clamps for stabilizer bar
- 4 Torsional bearing
- 5 Bolts
- 6 Retaining clamps for torsion bushing



P32.20-2143-07


















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- 7 Link rods

Modification notes

11.7.06	Bolt, stabilizer bar retaining clamp to bearing bracket Bolt, torsion bushing retaining clamp	*BA32.20-P-1001-02L *BA32.20-P-1002-02L
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	Removing		
Danger!	Risk of injury caused by pinching or crushing when working on springs or spring bodies that are under tension	Use only approved tensioning devices; shield off hazard area if necessary. Inspect special tools for damage and proper operation (visual inspection). Wear protective gloves.	AS00.00-Z-0001-01A
Danger!	Risk of injury caused by moving parts that can pinch, crush or, in extreme cases, even sever extremities	No parts of the body or limbs should be within the operating range of the mechanism when moving components.	AS00.00-Z-0009-01A

 Danger!	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 plates at vehicle lift support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
	Notes on self-locking nuts and bolts	All models	AH00.00-N-0001-01A
	When working on the front-end assembly, be careful not to scratch, mark or notch the surfaces of aluminum parts. Otherwise the service life of the parts will be affected		
1	Raise vehicle using drive-on lifting platform		
2.1	Detach lower engine compartment paneling	Vehicles with gasoline engine	AR61.20-P-1105GZ
2.2	Remove soundproofing	Vehicles with diesel engine	AR94.30-P-5300GZ
3	Remove bolts (2) of torsion bar retaining clamps (3) and remove torsion bar retaining clamps	 Mark installation positions.	
4	Pull stabilizer bar (1) away from front axle carrier and fold downwards	 Do not twist or damage rubber boots (arrows B) of joints on link rods (7).	
5	Remove bolts (5) of torsion bushing retaining clamps (6) and remove torsion bushings (4) from torsion bar (1)	 Mark installation positions.	
	Checking		
6	Check torsional bearing for signs of damage	 Replace if necessary.	
	Install		
	Installation	Only tighten nuts and bolts of chassis components when vehicle is in a ready-to-drive condition.	
7	Mount torsional bearing (4) onto stabilizer bar (1), insert bolts (5) into torsional bearing retaining clamps (6) and screw on the nuts	 Observe any previous markings. Do not tighten nuts of bolts (5) yet.	
8	Position stabilizer bar (1) on front axle carrier together with stabilizer bar retaining clamps (3), then insert the bolts (2)	 Observe any previous markings. Align stabilizer bar (1) in center. The bent ends of the stabilizer bar face downwards. Insert the torsional bearing (4) into the fixtures (arrows A).  Do not twist or damage rubber boots (arrows B) of joints on link rods (7).  Do not tighten bolts (2) yet.	
9	Check correct positioning of stabilizer bar, torsional bearing, torsional bearing retaining clamps and stabilizer bar retaining clamps	 Realign if necessary.	
10	Fully tighten bolts (5)		*BA32.20-P-1002-02L
11	Fully tighten bolts (2)		*BA32.20-P-1001-02L
12.1	Install lower engine compartment paneling.	Vehicles with gasoline engine	AR61.20-P-1105GZ
12.2	Install noise encapsulation	Vehicles with diesel engine	AR94.30-P-5300GZ
13	Lower vehicle using drive-on lifting platform		

 **Front axle stabilizer bar**

Number	Designation	Model 164.1/8
BA32.20-P-1001-02L	Bolt, stabilizer bar retaining clamp to bearing bracket	Nm 180
BA32.20-P-1002-02L	Bolt, torsion bushing retaining clamp	Nm 40