

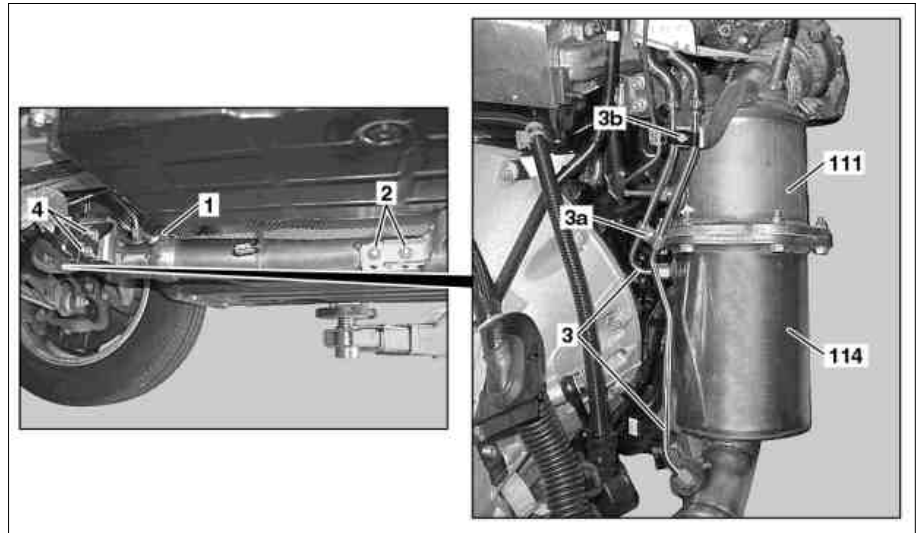
ENGINE 646.951 in MODEL 211.004 with CODE (474) Particulate filter

ENGINE 646.961 in MODEL 211.006 /206 /606 with CODE (474) Particulate filter

ENGINE 646.8 in MODEL 211, 204 with CODE (474) Particulate filter

Shown on engine 646.9

- 1 Flange connection
- 2 Nuts
- 3 Pressure lines
- 3a Bolt
- 3b Bolt
- 4 Nuts
- 111 Catalytic converter
- 114 Diesel particulate filter



P14.40-2002-05

- 5 Seal
- 114 Diesel particulate filter



P14.40-2003-02

	<b>Remove/install</b>		
<b>Danger!</b>	<b>Risk of death</b> caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between columns of lifting platform and position four support plates at lifting platform support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
<b>Danger!</b>	<b>Risk of injury</b> to skin and eyes caused by handling hot or glowing objects.	Wear safety gloves, protective clothing and safety glasses, if necessary.	AS00.00-Z-0002-01A
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
1	Raise vehicle with lifting platform		
2	Remove bottom section of soundproofing	Model 204 with diesel engine Model 211 with diesel engine	AR94.30-P-5300T
3	Loosen flanged connection (1)		*BA49.10-P-1014-01I
4	Remove nuts (2) from bracket at transmission		*BA49.10-P-1018-01I
5	Remove temperature sensor at diesel particulate filter (114)	Model 204 with engine 646.8 Temperature sensor downstream of TWC (in particulate filter) Model 211.004 with engine 646.951 Model 211.006/206/606 with engine 646.961 Model 211 with engine 646.8	AR07.04-P-0070CWI  AR07.04-P-0070TB
6	Loosen bolt (3a) on clamping plate		*BA14.40-P-1003-01A
7	Unscrew bolt (3b) of bracket		*BA14.40-P-1004-01A
8	Remove pressure lines (3) on diesel particulate filter (114)		*BA14.40-P-1002-01A

9	Remove diesel particulate filter (114) from catalytic converter (111)	<b>Installation:</b> Replace bolts. 	*BA14.40-P-1001-01A
10	Secure diesel particulate filter (114) to prevent it falling.		
11	Unscrew nuts (4) from bracket on transmission		*BA49.10-P-1017-01I
12	Pull the diesel particulate filter (114) downward and out	Remove diesel particulate filter (114) carefully, to avoid damaging the ceramic body of the catalytic converter (111). <b>Installation:</b> Clean sealing surfaces and use a new sealing ring (5). <b>Installation:</b> Installation position must be observed.	OS49.10-P-1000-02A
OS	Notes on disposal of diesel particulate filters		
13.1	Connect STAR DIAGNOSIS	When replacing the diesel particulate filter (114)	
AD	Connect STAR DIAGNOSIS and read out fault memory		AD00.00-P-2000-04A
14.1	Perform adaptations of CDI control unit	When replacing the diesel particulate filter (114) On replacing the diesel particulate filter (114) adjustment of the CDI control unit must take place using menu point "Adjust control units" in STAR DIAGNOSIS.	
15	Install in the reverse order		
	<b>Checking</b>		
16	Check installation position and clearance of exhaust system	The exhaust system must be mounted free of tension, align exhaust system if required.	
<b>Danger!</b>	<b>Risk of accident</b> caused by vehicle starting off by itself when engine is running. <b>Risk of injury</b> caused by contusions and burns during starting procedure or when working near the engine as it is running	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
17	Test run engine and check exhaust system for leaks		

#### Diesel particulate filter

Number	Designation	Engine 646.951/961/962/963/966/with code 474	Engine 646.8 with code 474
BA14.40-P-1001-01A	Nut, bolted connection for diesel particulate filter to catalytic converter	Stage 1 Nm 10	10
		Stage 2 Nm 30	30
BA14.40-P-1002-01A	Union nut connecting pressure line to diesel particulate filter	Nm 20	20
BA14.40-P-1003-01A	Bolt for pressure line clamping plate	Nm 3	3
BA14.40-P-1004-01A	Bracket for pressure line on catalytic converter	Nm 3	3

#### Exhaust system

Number	Designation	Engine 646.8	Engine 646.951/ 961/962 963/966/ with code 474
BA49.10-P-1014-011	Self-locking nut connecting diesel particulate filter flange connection to pipe line	Nm 20	20
BA49.10-P-1017-011	Self-locking nut connecting diesel particulate filter to bracket at transmission	Nm 20	20
BA49.10-P-1018-011	Self-locking nut, connecting pipe line to bracket	Nm 20	20