

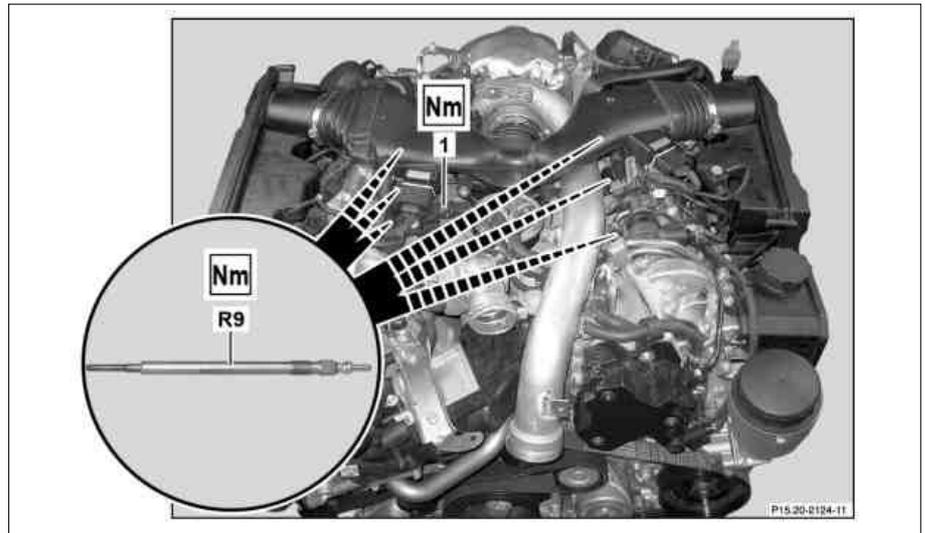
Engine 642 in model 204, 207, 212, 218

Modification notes

19.05.2017	Special tool added	Operation step 6, 8	001 589 78 09 00
16.05.2017	Safety note added	AS20.40-Z-0001-01A	
12.05.2017	"Technical note" added	AH00.00-P-5000-01A	
10.05.2017	"Technical note" added	AH54.00-P-0001-01A	
10.05.2017	Safety note added	AS00.00-Z-0017-01A	

Shown on engine 642.9

- 1 Distributor leak oil line
R9 Glow plugs



P15.20-2275-05

14a ATL without coolant cooling



P09.40-2385-01

⚠ Warning	Risk of injury due to fan starting unexpectedly	Do not reach into the rotation or hazard area of the fan. Wear closed and close-fitting work clothes.	AS20.40-Z-0001-01A
⚠ Caution	Risk of injury caused by scraping or cutting body parts on sharp vehicle parts	Always wear protective gloves when working on or near sharp and non-deburred vehicle parts. Deburr repair panels.	AS00.00-Z-0017-01A
⚠ Warning	Risk of injury. Skin or eye injuries may result when handling hot or glowing objects.	Wear protective gloves, protective clothing and safety glasses, if necessary.	AS00.00-Z-0002-01A
	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
	Notes on avoiding damage through contamination and foreign objects		AH00.00-P-5000-01A
	Notes for ceramic glow plugs		AH15.20-P-0001-01A
🔧	Remove		
1	Remove engine cover		
2	Remove engine air intake duct downstream of air filters	Engine 642 in model 204 Engine 642 in model 207, 212, 218	AR09.10-P-8130CO AR09.10-P-8130OGE

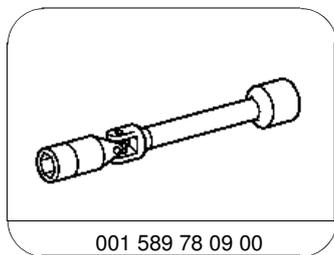
3	Remove leak oil line (1) distributor	Only on engines with turbocharger without coolant cooling (14a).	
4	Remove engine wiring harness from fuel rail		
5	Release and disconnect electrical connections at the glow plugs (R9)	Pliers	*611589003700
6	Remove glow plugs (R9)	If release torque of glow plugs (R9) is greater than 25 Nm, bringing the engine to operating temperature is recommended. To prevent glow plugs (R9) from tearing off. Wrench socket Socket wrench	*001589800900 *001589780900
	Check		
7	Check glow plug wells for contamination	Commercially available devices/tools Cylinder brush, Perlon, Ø 6 mm Cylinder brush, Perlon, Ø 10 mm In case of a complaint ↓ Clean glow plug wells.	
	Install		
8	Screw in glow plugs (R9)	Glow plug to cylinder head Wrench socket Socket wrench	*BA15.20-P-1001-01F *001589800900 *001589780900
9	Connect electrical connections to glow plugs (R9)		
10	Attach engine wiring harness to fuel rail	Replace removed cable ties.	
11	Attach leak oil line (1) distributor	Only on engines with turbocharger without coolant cooling (14a). Leak oil line to charge air distribution line	*BA07.16-P-1023-01C
12	Install engine air intake duct after air filters	Engine 642 in model 204 Engine 642 in model 207, 212, 218	AR09.10-P-8130CO AR09.10-P-8130OGE
13	Install engine cover	Ensure correct seating of the engine cover.	

Common rail diesel injection system (CDI)

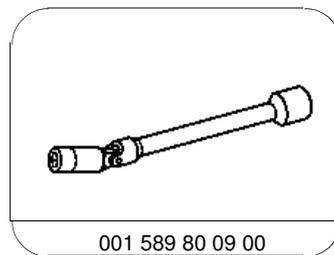
Number	Designation	Engine 642
BA07.16-P-1023-01C	Leak oil line to charge air distribution line M6 × 23 Nm	12

Preglow system

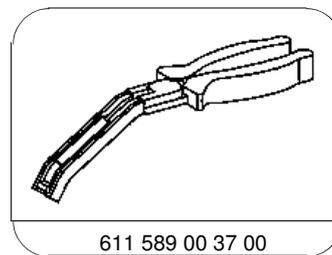
Number	Designation	Engine 642
BA15.20-P-1001-01F	Glow plug to cylinder head M8 Nm	11
	M10 Nm	18



Socket wrench



Wrench socket



Pliers