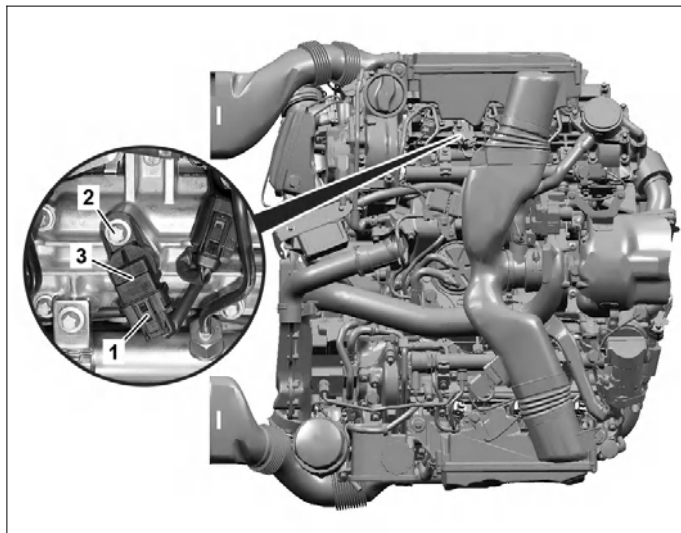


Engine 642 in model 207, 212, 218, 221, 222

Modification notes

30.08.2017	Document reference added	Operation step 4	AP09.10-P-0980GZD
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- 1 Electrical connector
- 2 Screw
- 3 Camshaft Hall sensor



P15.10-2613-11

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
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 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
	Notes on avoiding damage through contamination and foreign objects		AH00.00-P-5000-01A
	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
	Remove/install		
1	Switch off ignition and store transmitter key outside of transmission range (min. 2 m)		
2	Remove engine cover	Engine 642 in model 207, 212, 218, 221, 222 Engine 642 in model 221 Installation: Check engine cover is correctly seated.	AR01.10-P-2405SXI
3	Release and disconnect electrical connection (1)		
4 	Remove air filter element	Engine 642.9 in model 221 Engine 642.8 in model 207, 212, 218, 221, 222	AP09.10-P-0980GZD AP09.10-P-0980GZB
5	Remove noise damper		
6	Unscrew screw/bolt (2)	Camshaft position sensor to cylinder head cover	*BA15.10-P-1002-03G
7	Remove camshaft Hall sensor (3)	Installation: Replace sealing ring.	
8	Install in the reverse order		
9 	Read out fault memory using the diagnostic system and clear if necessary	Model 222 with engine 642 Model 207, 212, 218, 221 with engine 642	AD00.00-P-2000-04B AD00.00-P-2000-04A

<p>⚠ Warning</p>	<p>Risk of burn injuries, suffocation and poisoning when working on the exhaust system and the components connected to it. Risk of suffocation and risk of poisoning caused by inhalation of gaseous and solid components of the exhaust. Risk of poisoning caused by skin contact with solid components of the exhaust.</p>	<p>Wear protective clothing and safety glasses. Use the extraction system. Move people out of the hazard area.</p>	<p>AS49.00-Z-0001-01A</p>
<p>⚠ Warning</p> <p>10</p>	<p>Risk of accident from vehicle starting off by itself when engine running. Risk of injury (bruises and burns) resulting from working on the engine while it is being started or when it is running.</p> <p>Carry out an engine test run, checking the engine for proper operation and leaktightness</p>	<p>Secure vehicle to prevent it from starting off by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.</p>	<p>AS00.00-Z-0005-01A</p>

 Hall sensor

Number	Designation	Engine 642
BA15.10-P-1002-03G	Camshaft position sensor to cylinder head cover	Nm 8