

**Document title** Remove/install camshaft Hall sensor

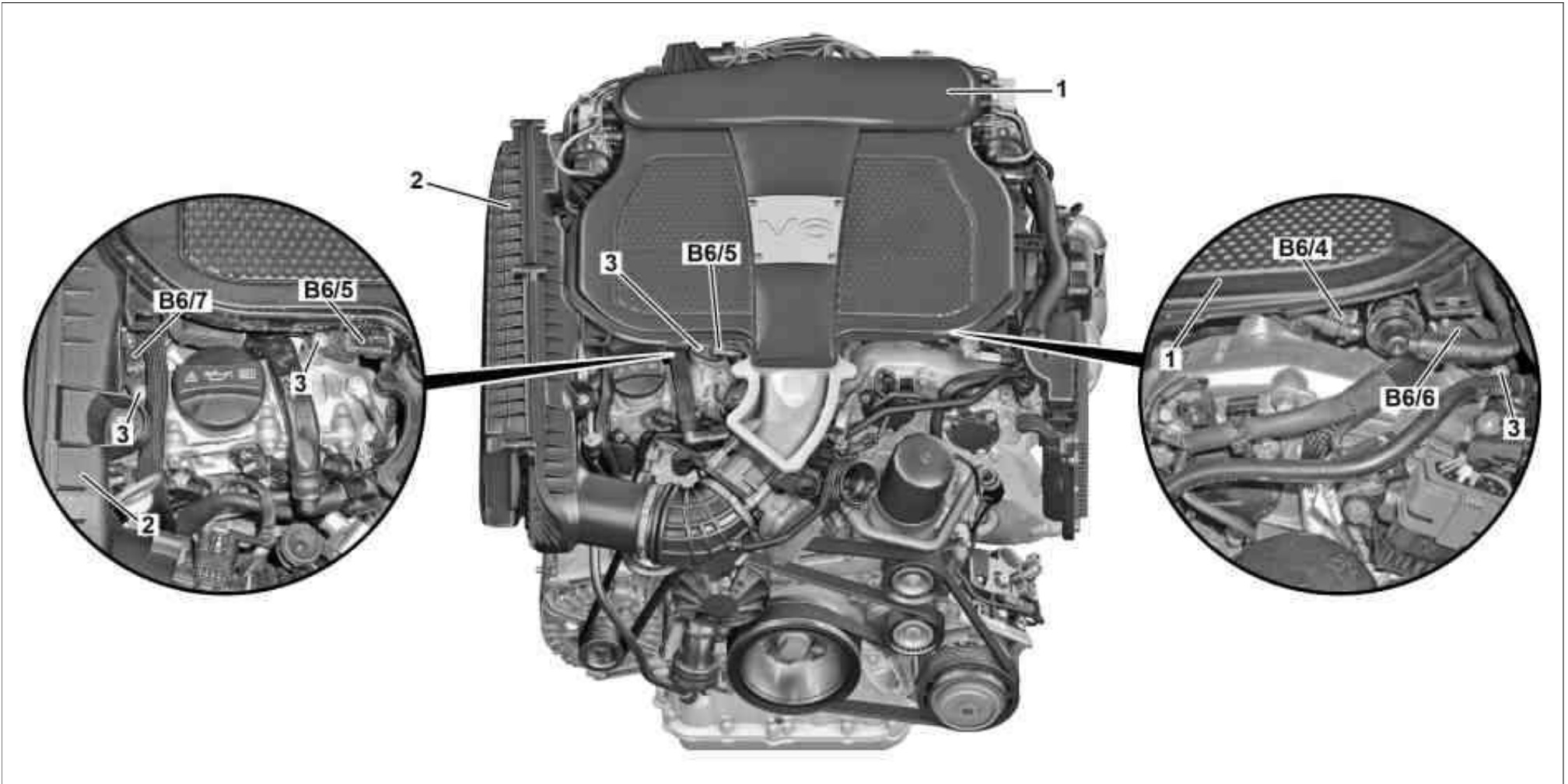
**Document number** ar1510p2000el

## ENGINE 276 in MODEL 212, 218

## Modification notes

7.8.13 Remove right air filter housing, added

Operation step 3.3



P15.10-2412-09

## Shown on engine 276.9

1	Intake manifold	B6/4	Left intake camshaft Hall sensor	B6/7	Right exhaust camshaft Hall sensor
2	Air filter housing	B6/5	Right intake camshaft Hall sensor		
3	Screw/bolt	B6/6	Left exhaust camshaft Hall sensor		

	Remove/install		
	<b>Risk of injury</b> caused by fingers being jammed or pinched when removing, installing or aligning hoods, doors, trunk lid/rear-end door or sliding roof.	No parts of the body or limbs should be within the operating area when the components are moving.	AS00.00-Z-0011-01A
1	Remove engine cover	<b>Installation:</b> Ensure correct seating of the engine cover.	
2	Remove intake manifold (1)	ENGINE 276.9 When removing Hall sensors (B6/4, B6/6) on the left cylinder head	AR09.20-P-1961EL
3.1	Detach air filter housing (2) from cylinder head cover	ENGINE 276.9 When removing the RH Hall sensor on the exhaust camshaft (B6/7) Bolt, air filter to air intake pipe support brace Bolt, air filter to cylinder head cover	*BA09.10-P-1002-01M *BA09.10-P-1001-01M
3.2	Remove left engine air intake duct with raw air line upstream of air filter housing	ENGINE 276.8 When removing the Hall sensor for the left exhaust camshaft (B6/6)	
3.3	Remove right air filter housing	When removing the Hall sensor for the right exhaust camshaft (B6/7) ENGINE 276.8	AR09.10-P-1150ELS
4	Detach connector from the respective camshaft Hall sensor (B6/4, B6/5, B6/6, B6/7)		

5	Remove screw/bolt (3) and pull respective camshaft Hall sensor (B6/4, B6/5, B6/6, B6/7) out of the cylinder head cover	<b>i</b> <b>Installation:</b> Replace sealing ring.  <b>Nm</b> Bolt, camshaft Hall sensor to cylinder head cover	*BA15.10-P-1006-03E
6	Install in the reverse order		
7	Read out fault memory using the diagnostic system and clear if necessary		AD00.00-P-2000-04A
8	<b>Risk of accident</b> from vehicle starting off by itself when engine running. <b>Risk of injury</b> (bruises and burns) resulting from working on the engine while it is being started or when it is running. Carry out an engine test run, checking the engine for proper operation and leaktightness	Secure vehicle to prevent it from starting off by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A

**Nm** Air filter

Number	Designation		ENGINE 276.9
BA09.10-P-1001-01M	Bolt, air filter to cylinder head cover	Nm	9

**Nm** Air filter

Number	Designation		ENGINE 276.9
BA09.10-P-1002-01M	Bolt, air filter to air intake pipe support brace	Nm	9

**Nm** Position sensor

Number	Designation		ENGINE 276
BA15.10-P-1006-03E	Bolt, camshaft Hall sensor to cylinder head cover	Nm	9