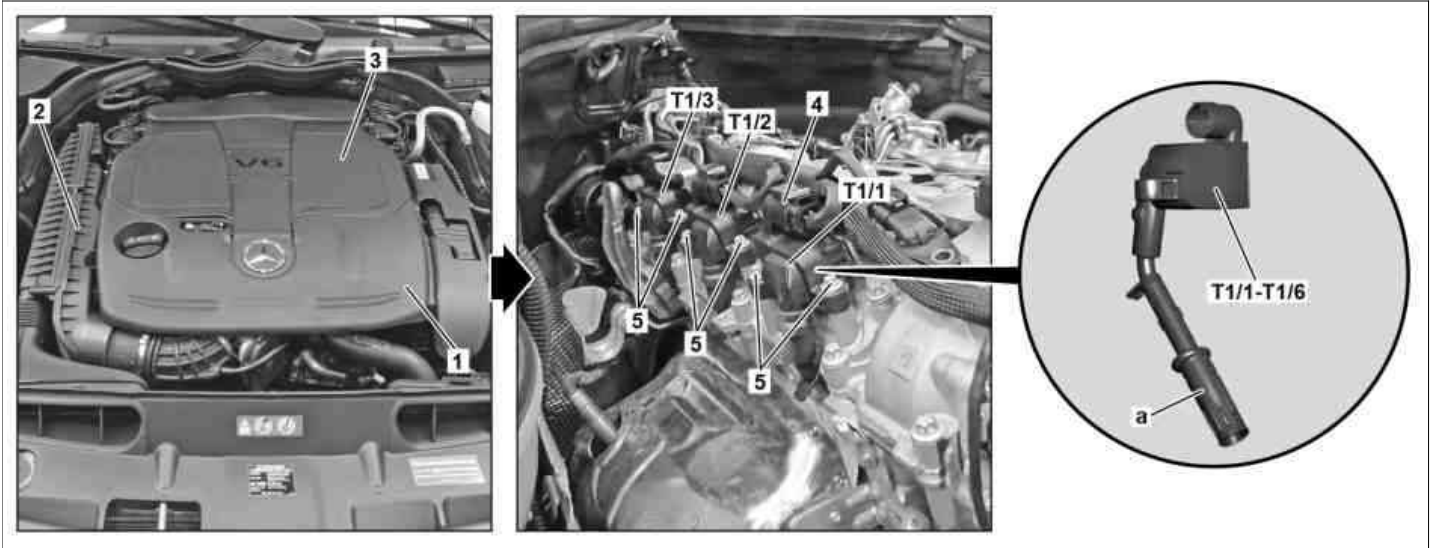


Engine 276 in model 204
 Engine 276, 278 in model 207

Modification notes

28.10.2016	Detach engine management control unit from bracket and place to one side with attached lines, added	Operation step 5	
28.10.2016	Remove engine management control unit holder, added	Operation step 6	
10.11.2016	Perform an engine test run while checking for proper operation of the engine, added	Operation step 13	









P15.12-2142-08

Shown on model 204.057

3	Intake manifold	T1/1	Cylinder 1 ignition coil	T1/5	Cylinder 5 ignition coil
4	Electrical connection	T1/2	Cylinder 2 ignition coil	T1/6	Cylinder 6 ignition coil
5	Screw/bolts	T1/3	Cylinder 3 ignition coil		
a	Spark plug connector	T1/4	Cylinder 4 ignition coil		

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
Danger	Risk of death caused by contact with parts conducting high voltages.	Do not touch parts which conduct high voltages. People who have electronic implants (e.g. cardiac pacemakers) may not perform any work on the ignition system.	AS15.10-Z-0001-01A
Topical note	Notes on avoiding damage through contamination and foreign objects		AH00.00-P-5000-01A
Topical note	Notes on avoiding damage to ignition system		AH15.10-P-0002-01V
	Remove/install		
1	Switch off ignition and store transmitter key outside of transmission range (min. 2 m)		
2.1	Remove intake manifold (3)	Engine 276.9 in model 204, 207	AR09.20-P-1961FH
2.2	Remove both air filter housings	Engine 276.8, 278 in model 207 Engine 276.8 in model 207	AR09.10-P-1150ELS
3	Remove vacuum reservoir from engine management control unit holder	Engine 276.9 in model 204, 207	AR07.08-P-7008FH
4	Remove soundproofing at both rails	Engine 276.8, 278 in model 207	

5	Detach engine management control unit from holder and place to one side with attached lines	Engine 276.9 in model 204, 207	AR07.08-P-7008FH
6	Remove engine management control unit holder	Engine 276.9 in model 204, 207	AR07.08-P-7008FH
7	Release and disconnect electrical connections (4) from ignition coils (T1/1 to T1/6 or T1/1 to T1/8)		
8	Remove screw/bolts (5)	 Screw/bolt, ignition coil to cylinder head cover	*BA15.10-P-1001-04A
9	Detach ignition coils (T1/1 to T1/6 and T1/1 to T1/8) with spark plug connectors (a) upwards and remove	 Installation: To reduce the force required for plugging/unplugging the spark plug connector grease must be applied before installation of the spark plug connector. The spark plug connector will be damaged otherwise for renewed removal.  Installation: About 1 g of spark plug connector grease must be put into the spark plug connector. Spark plug connector grease	*BR00.45-Z-1102-06A
10	Check ignition coils (T1/1 to T1/6 or T1/1 to T1/8) and spark plug connector (a) for damage and replace if necessary	 The ignition coils (T1/1 to T1/6 or T1/1 to T1/8) with spark plug connectors (a) create a unit and can therefore only be removed and replaced together.	
11	Install in the reverse order		
	Check		
12	Connect diagnostic system; read out fault memory		AD00.00-P-2000-04A
 Warning	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.	Secure vehicle to prevent it from starting off by itself. Wear buttoned-up and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
13	Conduct engine test run while checking for proper operation of the engine		

 Ignition coil

Number	Designation		Engine 276	Engine 278
BA15.10-P-1001-04A	Screw/bolt, ignition coil to cylinder head cover	Nm	9	9

Repair materials

Number	Designation	Order number
BR00.45-Z-1102-06A	Spark plug connector grease	A 002 989 80 51