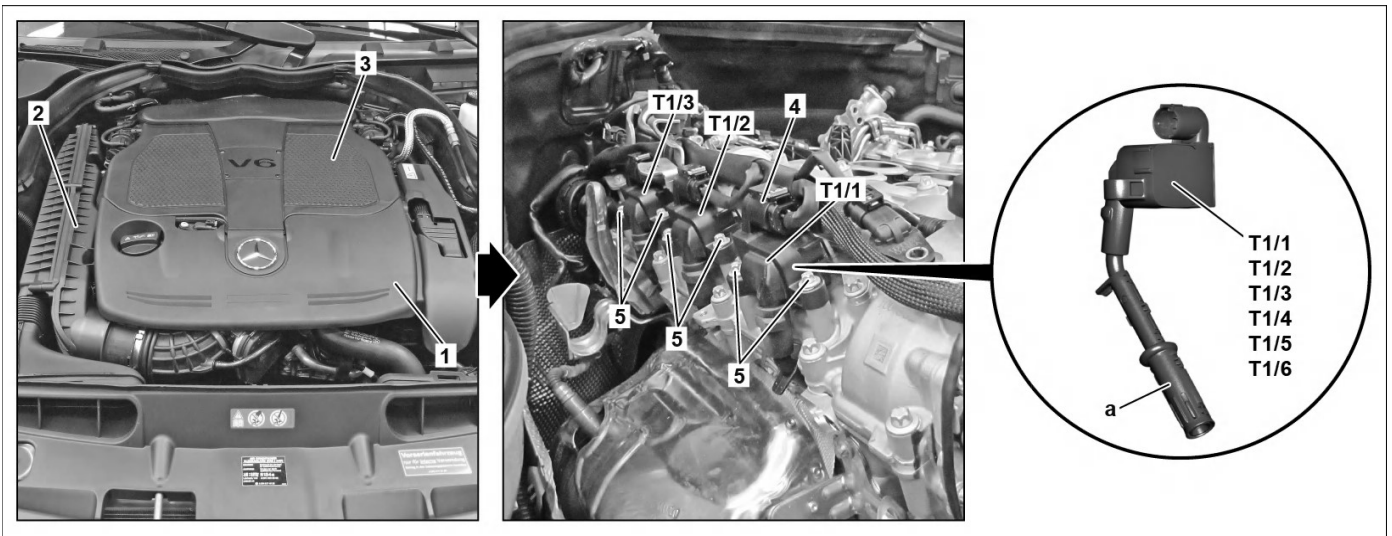


Engine 157, 276, 278 in model 212, 218









P15.12-2225-08

Shown on engine 276.9

1	Front engine cover	5	Bolts	T1/3	Cylinder 3 ignition coil
2	Air cleaner housing	a	Spark plug connector	T1/4	Cylinder 4 ignition coil
3	Intake manifold	T1/1	Cylinder 1 ignition coil	T1/5	Cylinder 5 ignition coil
4	Electrical connectors	T1/2	Cylinder 2 ignition coil	T1/6	Cylinder 6 ignition coil

	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
⚠ 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 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 front engine cover (1) and intake manifold (3)	Engine 276.9 in model 212, 218	
2.2	Remove front engine cover (1)	Engine 157, 276.8, 278 in model 212, 218	
3.1	Remove both engine air intake ducts upstream of air filter and air filter housing (2)	Engine 157, 276.8, 278 in model 212, 218	
3.2	Remove air filter housing (2)	Engine 276.8 in model 212, 218 Engine 276.9 in model 212, 218	AR09.10-P-1150ELS
4	Remove insulation on rail		
5	Remove bracket on starter alternator wiring harness at cylinder head cover	Engine 157, 278 in model 212, 218	
6	Unlock and disconnect the electrical plug connections (4) from the ignition coils (T1/1, T1/2, T1/3, T1/4, T1/5, T1/6, T1/7 and T1/8)		
7	Remove screw/bolts (5)	Screw/bolt, ignition coil to cylinder head cover	*BA15.10-P-1001-04A

8	Pull off and remove the ignition coils (T1/1, T1/2, T1/3, T1/4, T1/5, T1/6, T1/7 and T1/8) including spark plug connectors	 Installation: Apply spark plug connector grease prior to installing the spark plug connector to reduce the force required for connection and disconnection. The spark plug connector will be damaged otherwise for renewed removal.  Installation: Approx. Fill 1 g of spark plug connector grease into the spark plug connector. Spark plug connector grease	*BR00.45-Z-1102-06A
9	Check the ignition coils (T1/1, T1/2, T1/3, T1/4, T1/5, T1/6, T1/7 and T1/8) and spark plug connectors (a) for damage and replace if necessary		
10	Install in the reverse order		
	Check		
11	Connect diagnostic system; read out fault memory	Only if required.	AD00.00-P-2000-04A
 Warning	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.	Wear protective clothing and safety glasses. Use the extraction system. Move people out of the hazard area.	AS49.00-Z-0001-01A
 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 closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
12	Conduct engine test run while checking for proper operation of the engine		

 Air filter

Number	Designation	Engine 276.9
BA09.10-P-1001-01M	Screw/bolt, air filter to cylinder head cover	Nm 9

 Air filter

Number	Designation	Engine 276.9
BA09.10-P-1002-01M	Screw/bolt, air filter to air intake pipe support brace	Nm 9

 Ignition coil

Number	Designation	Engine 157	Engine 276
BA15.10-P-1001-04A	Screw/bolt, ignition coil to cylinder head cover	Nm 9	9

 Ignition coil

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

Repair materials

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