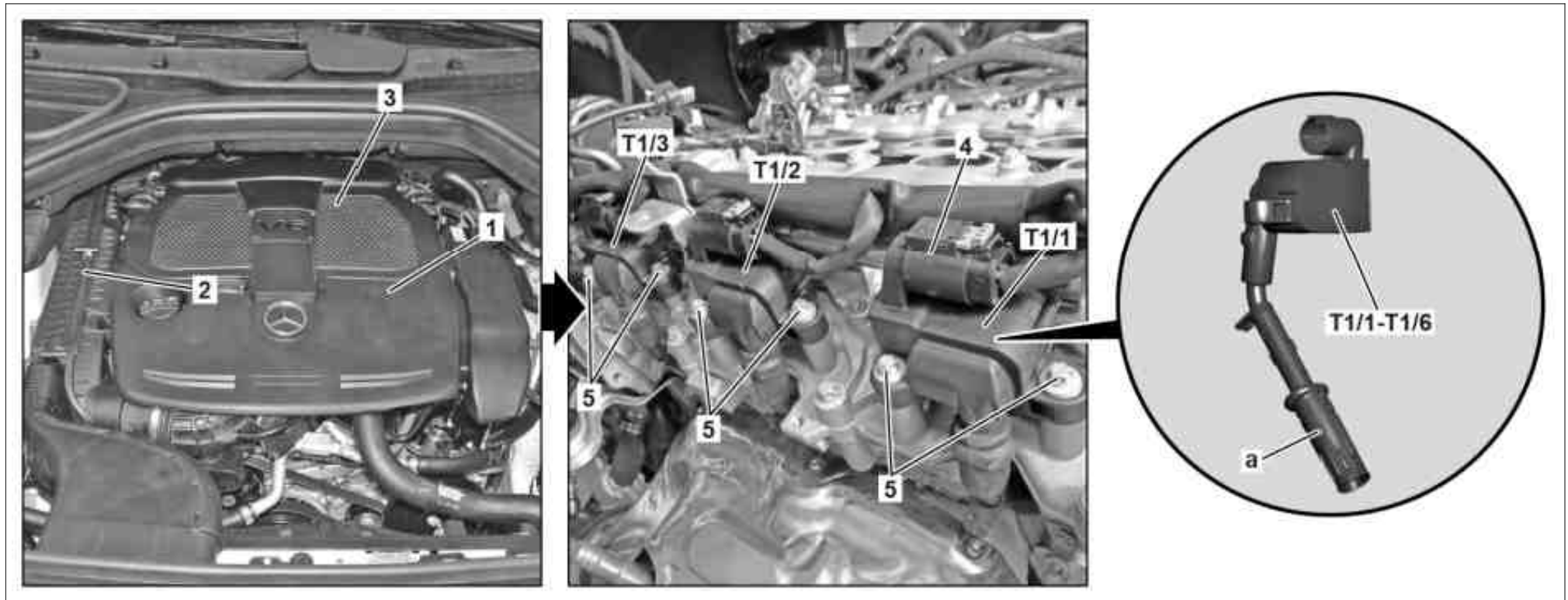


Engine 276 in model 166, 251, 292













P15.12-2143-08



Shown on model 166.0 with engine 276.9

- 1 Front engine cover
- 2 Air filter housing
- 3 Rear engine cover
- 4 Electrical connection

- 5 Screw/bolts
- a Spark plug connector
- T1/1 Cylinder 1 ignition coil
- T1/2 Cylinder 2 ignition coil

- T1/3 Cylinder 3 ignition coil
- T1/4 Cylinder 4 ignition coil
- T1/5 Cylinder 5 ignition coil
- T1/6 Cylinder 6 ignition coil

 Danger !	Risk of death caused by contact with parts conducting high voltages.	Do not touch parts which conduct high voltages. Persons who have electronic implants (e.g. cardiac pacemakers) may not perform any work on the ignition system.	AS15.10-Z-0001-01A
 Danger !	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
	Notes on avoiding damage to ignition system		AH15.10-P-0002-01V
 	Remove/install		
1	Remove partition wall between wheel wells	Engine 276 in model 251	
2.1	Remove rear engine cover (3)	Engine 276.8 in model 166, 251, 292	
2.2	Remove front engine cover (1)	Engine 276.9 in model 166, 251	
3	Remove intake manifold	Engine 276.9 in model 166, 251	AR09.20-P-1961GQ
4.1	Remove both air filter housings (2)	Engine 276.8 in model 166, 251, 292	AR09.10-P-1150GQC
4.2	Remove air filter housing (2)	Engine 276.9 in model 166, 251  Bolt, air filter to cylinder head cover  Bolt, air filter to air intake pipe support brace	*BA09.10-P-1001-01M *BA09.10-P-1002-01M
5	Remove insulation on the rails		
6	Disconnect electrical connections (4) for ignition coils (T1/1 to T1/6)		
7	Remove screw/bolts (5) of ignition coils (T1/1 to T1/6)	 Screw/bolt, ignition coil to cylinder head cover	*BA15.10-P-1001-04A
8	Pull ignition coils (T1/1 up to T1/6) with spark plug connectors (a) upwards and out	 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 connectors will get damaged otherwise when they are removed again.  Installation: Apply about 1 g of spark plug connector grease in the spark plug connector.	

		<p>i The ignition coils (T1/1 to T1/6) and the spark plug connector (a) create a device and can therefore only be removed and replaced together.</p> <p>Spark plug connector grease</p>	*BR00.45-Z-1102-06A
	Check		
9	Check ignition coils (T1/1 up to T1/6) and spark plug connectors (a) for damage and replace if necessary		
10	Install in the reverse order		
11	Read out fault memory using the diagnostic system and clear if necessary		
 AD			AD00.00-P-2000-04A

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 Ignition coil

Number	Designation		Engine 276
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