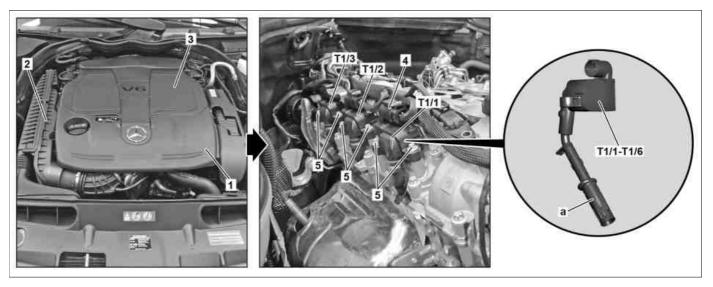
Engine 157, 276, 278 in model 212, 218



P15.12-2142-08

Shown on engine 276.9

1	Front engine cover	5	Screw/bolts	T1/3	Cylinder 3 ignition coil
2	Air filter housing	а	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	Connector	T1/2	Cylinder 2 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
(1)	Notes on avoiding damage to ignition system		AH15.10-P-0002-01V
XX	Remove/install		
1.1	Remove front engine cover (1) and intake manifold (3)	Engine 276.9 in model 212, 218	
1.2	Remove front engine cover (1)	Engine 157, 276.8, 278 in model 212, 218	
2.1	Remove both engine air intake ducts upstream of air filter and air filter housing (2)	Engine 157, 276.8, 278 in model 212, 218	
		Engine 276.8 in model 212, 218	AR09.10-P-1150ELS
2.2	Remove air filter housing (2)	Engine 276.9 in model 212, 218	
		Nm Bolt, air filter to cylinder head cover	*BA09.10-P-1001-01M
		Nm Bolt, air filter to air intake pipe support brace	*BA09.10-P-1002-01M
3	Remove insulation on rail	Engine 157, 276, 278 in model 212, 218	
4	Detach bracket for starter alternator wiring harness at cylinder head cover	Engine 157, 278 in model 212, 218	
5	Detach connector (4) on ignition coils (T1/1 to T1/6 or T1/1 to T1/8)		
6	Remove screw/bolts (5) of ignition coils (T1/1 to T1/6 and T1/1 to T1/8)	Nm Screw/bolt, ignition coil to cylinder head cover	*BA15.10-P-1001-04A
7	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 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.	

		The ignition coils (T1/1 to T1/6 or T1/1 to T1/8) and the spark plug connector (a) create a unit and can therefore only be removed and replaced together.	a
		Spark plug connector grease	*BR00.45-Z-1102-06A
4	Check		
8	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		
9	Install in the reverse order		
10	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 157	Engine 276
BA15.10-P-1001-04A	Screw/bolt, ignition coil to cylinder head cover	Nm	9	9

Nm 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