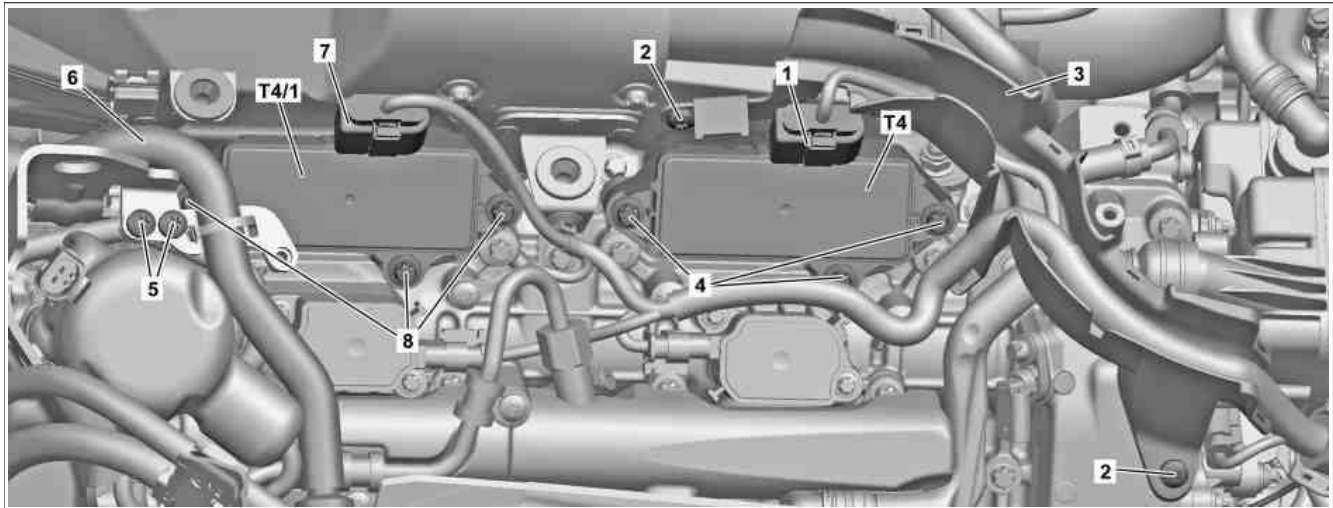


Engine 176 in model 463
as of model year 2019



P15.12-2245-08

1	Electrical connector	5	Bolts	T4	Cylinder 1 + 2 ignition coil
2	Bolts	6	Vacuum line	T4/1	Ignition coil for cylinders 3 + 4
3	Cable duct	7	Electrical connector		
4	Bolts	8	Bolts		

	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
	Notes on avoiding damage to ignition system		AH15.10-P-0002-01V
	Remove/install		
1	Remove right air filter housing.		AR09.10-P-1152XGA
2	Release and disconnect electrical connector (1) of ignition coil for cylinders 1 + 2 (T4).		
3	Remove screws (2) and place cable duct (3) to one side.	M6 × 1	*BA00.10-P-1002-04A
4	Remove screws/bolts (4).	Bolt, ignition coil to cylinder head cover	*BA15.10-P-1001-04D
5	Pull ignition coil for cylinders 1 + 2 (T4) upwards and remove.	Ignition coil for cylinders 1 + 2 (T4) and the spark plug connectors form a unit and can only be removed together.	
6	Remove bolts (5).	M6 × 1	*BA00.10-P-1002-04A
7	Remove vacuum hose (6) from vacuum pump, seal openings with suitable stop plugs and place vacuum hose (6) to one side.	Record plug	*129589009100
8	Release and disconnect electrical connector (7) of ignition coil for cylinders 3 + 4 (T4/1).		
9	Remove bolts (8).	Bolt, ignition coil to cylinder head cover	*BA15.10-P-1001-04D
10	Pull ignition coil for cylinders 3 + 4 (T4/1) upward and remove.	Ignition coil for cylinders 3 + 4 (T4/1) and the spark plug connectors form a unit and can be removed together.	

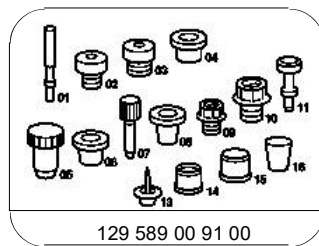
11	Check ignition coil for cylinders 1 + 2 (T4) and ignition coil for cylinders 3 + 4 (T4/1) for damage.	If problems exist, ↓ Replace ignition coil for cylinders 1 + 2 (T4) and/or ignition coil for cylinders 3 + 4 (T4/1).	
12	Apply approx. 1 g of spark plug connector grease in spark plug connectors.	ⓘ Apply spark plug connector grease to reduce removal and attachment forces. Otherwise, spark plug connectors are damaged on renewed removal. Spark plug connector grease	*BR00.45-Z-1102-06A
13	Install in the reverse order.		
14	Read out and delete fault memory.		AD00.00-P-2000-04B
⚠ 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
15	Perform engine test run and check engine for proper operation.		

Nm Metric screws/bolts and nuts as per MBN 10 105, 10 143

Number	Designation		8.8	10.9
BA00.10-P-1002-04A	M6×1	Nm	9	13

Nm Ignition coil

Number	Designation		Engine 176
BA15.10-P-1001-04D	Bolt, ignition coil to cylinder head cover	Nm	9



Record plug

Repair materials

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