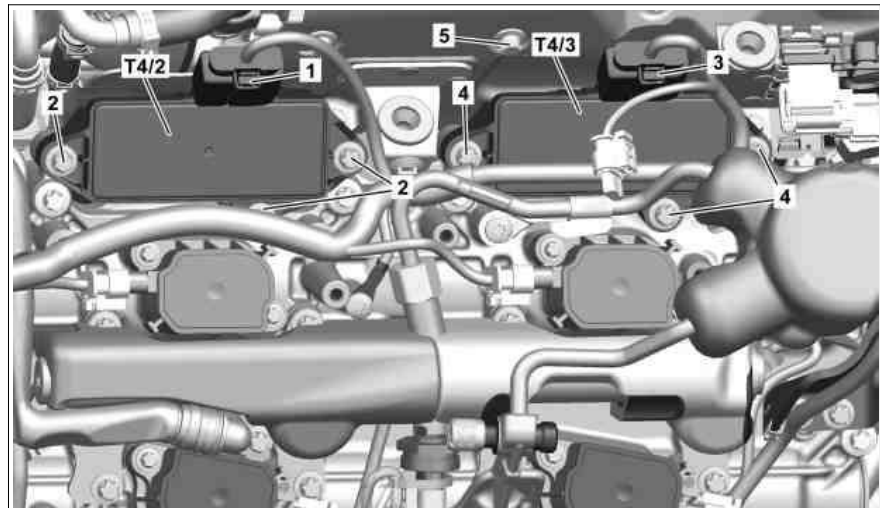



Engine 176 in model 463
as of model year 2019

- 1 Electrical connector
2 Bolts
3 Electrical connector
4 Bolts
5 Screw
T4/2 Cylinder 5 + 6 ignition coil
T4/3 Cylinder 7 + 8 ignition coil



P15.12-2238-05

	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 left-hand air filter housing.		AR09.10-P-1151XGA
2	Release and disconnect electrical connection (1) of ignition coil for cylinders 5 + 6 (T4/2).		
3	Remove screw/bolts (2) .	Bolt, ignition coil to cylinder head cover	*BA15.10-P-1001-04D
4	Pull ignition coil for cylinders 5 + 6 (T4/2) off upwards and remove.	Ignition coil for cylinders 5 + 6 (T4/2) and spark plug connectors form a unit, and can only be removed together.	
5	Release and disconnect electrical connection (3) of ignition coil for cylinders 7 + 8 (T4/3).		
6	Remove screw (5).	Bolt, upper heat shield to bracket/side heat shield	*BA09.40-P-1006-01ZA
7	Remove screws/bolts (4).	Bolt, ignition coil to cylinder head cover	*BA15.10-P-1001-04D
8	Pull ignition coil for cylinders 7 + 8 (T4/3) off upwards and remove.	Ignition coil for cylinders 7 + 8 (T4/3) and spark plug connectors form a unit, and can only be removed together.	
9	Check ignition coil for cylinders 5 + 6 (T4/2) and ignition coil for cylinders 7 + 8 (T4/3) for damage.	If there is a problem, ↓ replace the ignition coil for cylinders 5 + 6 (T4/2) or the ignition coil for cylinders 7 + 8 (T4/3).	
10	Apply about 1 g of spark plug connector grease to the spark plug connector.	Apply spark plug connector grease to reduce pull-off and attachment forces Otherwise, spark plug connectors are damaged on renewed removal. Spark plug connector grease	*BR00.45-Z-1102-06A
11	Install in the reverse order.		
12	Read out and delete fault memory.		AD00.00-P-2000-04B

<p> Warning</p> <p>13</p>	<p>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.</p> <p>Perform an engine test run and check the engine for proper function.</p>	<p>Secure vehicle to prevent it from starting off by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.</p>	<p>AS00.00-Z-0005-01A</p>
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 Turbocharger

Number	Designation	Engine 176
BA09.40-P-1006-01ZA	Bolt, upper heat shield to bracket/side heat shield	Nm 9

 Ignition coil

Number	Designation	Engine 176
BA15.10-P-1001-04D	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