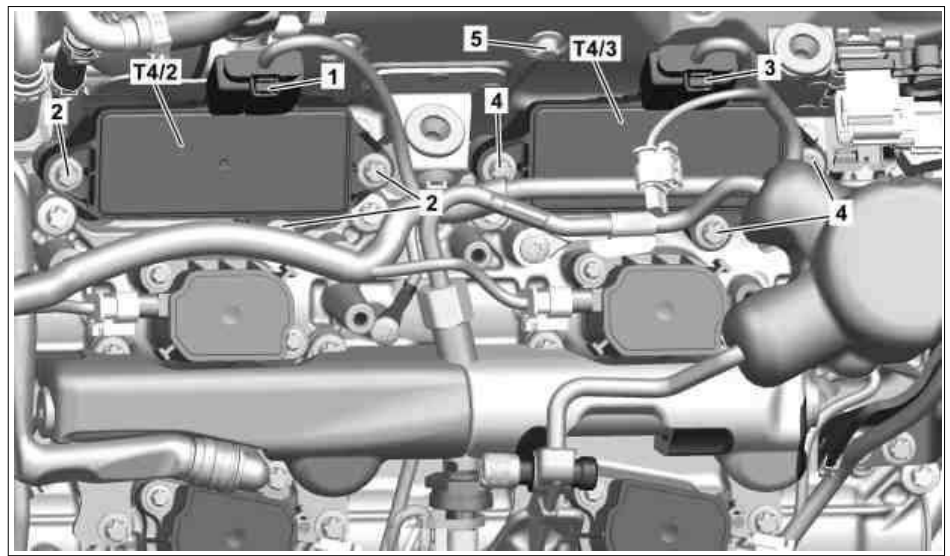




Engine 176 in model 167

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



P15.12-2238-05

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
	Risk of death when working on component parts and systems with $U \geq 30$ V alternating voltage (AC) or $U \geq 60$ V direct voltage (DC)	Do not touch damaged or defective live component parts and lines or non-insulated electrical connections and lines.	AS00.00-Z-0035-01A
	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
	Notes on avoiding damage to ignition system		AH15.10-P-0002-01V
	Remove/install		
1	Remove left air filter housing.		AR09.10-P-1151MNO
2	Release and disconnect electrical connector (1) of cylinder 5+6 ignition coil (T4/2).		
3	Remove screws (2).	Bolt, ignition coil to cylinder head cover	*BA15.10-P-1001-04D
4	Pull cylinder 5+6 ignition coil (T4/2) upwards and remove.	Cylinder 5+6 ignition coil (T4/2) and spark plug connectors form a unit and can only be removed together.	
5	Release and disconnect electrical connector (3) of cylinder 7+8 ignition coil (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 cylinder 7+8 ignition coil (T4/3) upwards and remove.	Cylinder 7+8 ignition coil (T4/3) and spark plug connectors form a unit and can only be removed together.	
9	Check cylinder 5+6 ignition coil (T4/2) and cylinder 7+8 ignition coil (T4/3) for damage.	If they will be reused. If damage is present, ↓ Replace cylinder 5+6 ignition coil (T4/2) and/or cylinder 7+8 ignition coil (T4/3) with spark plug connectors.	
10	Discharge approx. 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 the spark plug connectors will be damaged upon renewed removal. Spark plug connector grease	*BR00.45-Z-1102-06A
11	Install in the reverse order.		
	Check		

12	 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. Conduct engine test run while checking for proper operation of the engine.	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

 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