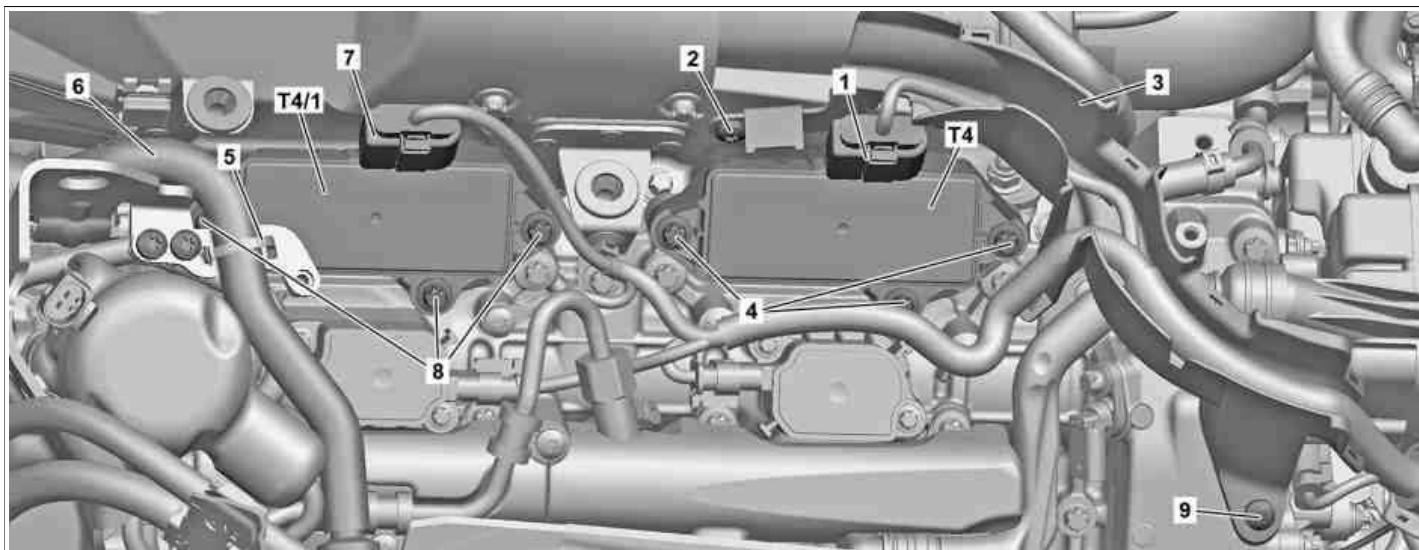





Engine 176 in model 167



P15.12-A017-08


1	Electrical connector	5	Cable tie	9	Screw
2	Screw	6	Vacuum line	T4	Cylinders 1+2 ignition coil
3	Cable duct	7	Electrical connector	T4/1	Cylinder 3+4 ignition coil
4	Bolts	8	Bolts		

	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 right air filter housing.		AR09.10-P-1152MNO
2		Release and disconnect electrical connector (1) of cylinder 1+2 ignition coil (T4).		
3		Remove screw (2).	Screw, engine wiring harness holder to right heat shield	*BA15.18-P-1007-01G
4		Remove screw (9) and place cable duct (3) to one side.	Bolt, engine wiring harness to cylinder head cover	*BA15.18-P-1001-01G
5		Remove screws/bolts (4).	Bolt, ignition coil to cylinder head cover	*BA15.10-P-1001-04D
6		Detach cylinder 1+2 ignition coil (T4) upwards and remove.	Cylinder 1+2 ignition coil (T4) and spark plug connectors form a unit and can only be removed together.	
7		Disconnect cable tie (5).	Installation: Replace cable tie (5).	
8		Remove vacuum line (6) from vacuum pump, seal openings with suitable stop plugs and place vacuum line (6) to one side.	Record plug	*129589009100
9		Release and disconnect electrical connector (7) of cylinder 3+4 ignition coil (T4/1).		
10		Remove screws (8).	Bolt, ignition coil to cylinder head cover	*BA15.10-P-1001-04D
11		Detach cylinder 3+4 ignition coil (T4/1) upwards and remove.	Cylinder 3+4 ignition coil (T4/1) and spark plug connectors form a unit and can only be removed together.	
		Check		

12	Check cylinder 1+2 ignition coil (T4) and cylinder 3+4 ignition coil (T4/1) for damage.	If they will be reused. If damage is present, ↓ Replace cylinder 1+2 ignition coil (T4) and/or cylinder 3+4 ignition coil (T4/1) with spark plug connectors.	
13	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 Spark plug connectors will otherwise be damaged the next time they are removed. Spark plug connector grease	*BR00.45-Z-1102-06A
14	Install in the reverse order.		
	 Check		
 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.	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	Conduct engine test run while checking for proper operation of the engine.		

 **Ignition coil**

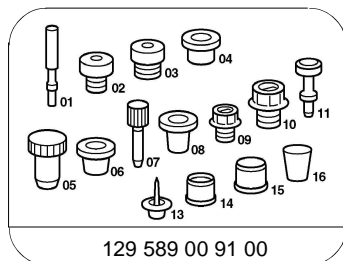
Number	Designation		Engine 176
BA15.10-P-1001-04D	Bolt, ignition coil to cylinder head cover	Nm	9

 **Engine wiring harness**

Number	Designation		Engine 176
BA15.18-P-1001-01G	Bolt, engine wiring harness to cylinder head cover	Nm	9

 **Engine wiring harness**

Number	Designation		Engine 176
BA15.18-P-1007-01G	Screw, engine wiring harness holder to right heat shield	Nm	8



Record plug

Repair materials

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