

ENGINES 272.922 in MODEL 211.052 /252
 ENGINES 272.943 in MODEL 211.054 /254
 ENGINES 272.964 in MODEL 211.056 /256
 ENGINES 273.960 in MODEL 211.072 /272
 ENGINES 272.972 in MODEL 211.087 /287
 ENGINES 273.962 in MODEL 211.090 /290
 ENGINES 272.944 in MODEL 211.092 /292
 ENGINES 272.985 in MODEL 211.057 /257

Shown on ENGINE 272.922

01  Spark plug wrench

R4 Spark plugs

T1/1 Cylinder 1 ignition coil

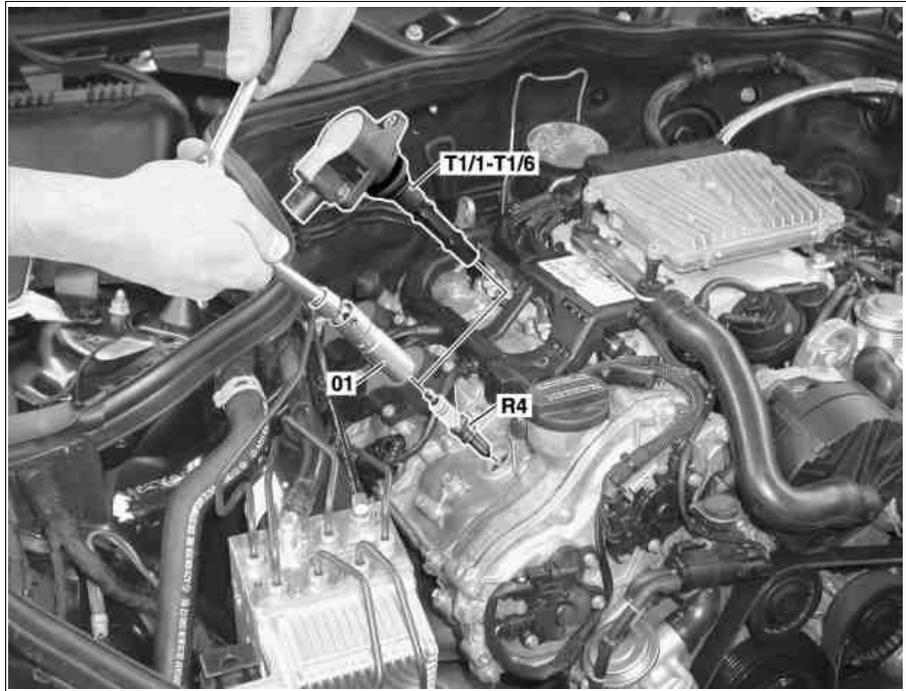
T1/2 Cylinder 2 ignition coil

T1/3 Cylinder 3 ignition coil

T1/4 Cylinder 4 ignition coil

T1/5 Cylinder 5 ignition coil

T1/6 Cylinder 6 ignition coil



P15.10-2147-06

Shown on ENGINE 272.985

01  Spark plug wrench

1 Spark plug connector

3 Ignition coil connector

4 Ignition cable

R4 Spark plugs

T1/1 Cylinder 1 ignition coil

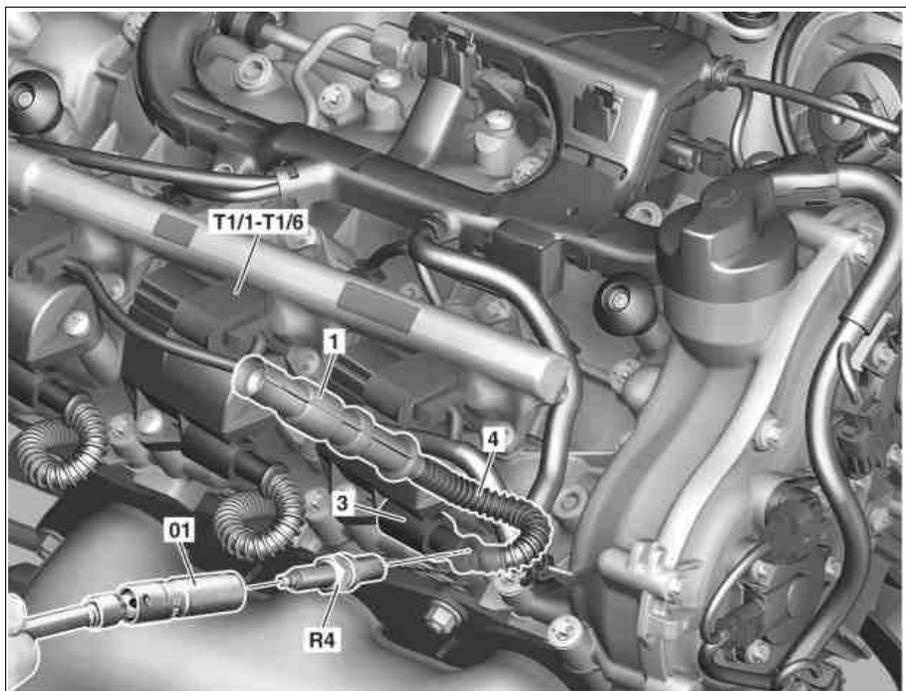
T1/2 Cylinder 2 ignition coil

T1/3 Cylinder 3 ignition coil

T1/4 Cylinder 4 ignition coil

T1/5 Cylinder 5 ignition coil

T1/6 Cylinder 6 ignition coil



P15.10-2199-06

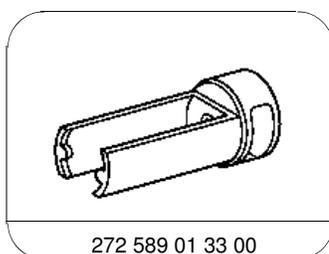
Modification notes

22.9.07	<p>Notes on avoiding damage through contamination and foreign objects, added</p> <p>Detach spark plug connector from spark plugs, added</p> <p>Check connector assembly and line routing, added</p> <p>Extractor for spark plug connector and torque wrench added</p>	<p>Step 5</p> <p>Step 5</p> <p>Steps 5, 7</p>	
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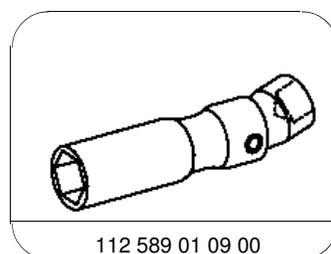
	Remove/install and replace		
⚠ Danger!	Risk of death due to contact with high-voltage conductive parts	Do not touch parts which conduct high voltages. Persons who wear electronic implants (e.g. heart pacemakers) should never perform any work on the ignition system	AS15.10-Z-0001-01A
⚠ Danger!	Risk of injury to skin and eyes caused by handling hot or glowing objects.	Wear safety 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
	Notes on avoiding damage through contamination and foreign objects		AH00.00-P-5000-01A
1	Turn key in ignition lock to position "0"		
2	Open engine hood and raise to vertical position AR Opening engine hood, moving to upright position and closing		AR88.40-P-1000T
3	Remove air filter housing AR Remove/install air filter housing		AR09.10-P-1150TS
4	Remove ignition coils of cylinders 1 to 6 (T1/1 to T1/6) AR Remove/install ignition coils		AR15.12-P-2003TS
5	Detach spark plug connector (1) from spark plugs (R4) using puller AR Detach/attach spark plug connector	Engine 272.985 Installation: Observe correct assembly of spark plug connectors and ignition coil connectors (1, 3) and correct routing of ignition lines (4). Extractor	AR15.12-P-1010-01TX *272589013300
	Checking		
6	Check spark plug connector (1), ignition coil connector (3) and ignition lines (4)	Check for damage, deformation and crack formation, replace if necessary.	
7	Remove spark plugs (R4) from the cylinder heads using a spark plug wrench (01)	Installation: It is absolutely essential to adhere to the tightening torque on engine 272.985 as it influences the position of the spark plug electrodes in the cylinder. An incorrect tightening torque causes misfires which can lead to damage to the engine and catalytic converter damage Spark plug to cylinder head Spark plug wrench Torque wrench	*BA15.10-P-1001-01C *112589010900 *001589872100
8	Install in the reverse order		

Spark plugs

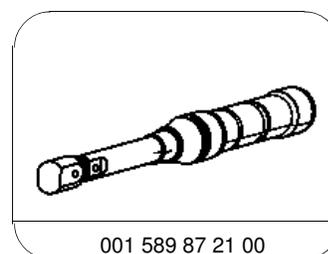
Number	Designation	Engine 272	Engine 273
BA15.10-P-1001-01C	Spark plug on cylinder head	Nm 23	23



Puller



Spark plug wrench



Torque wrench