

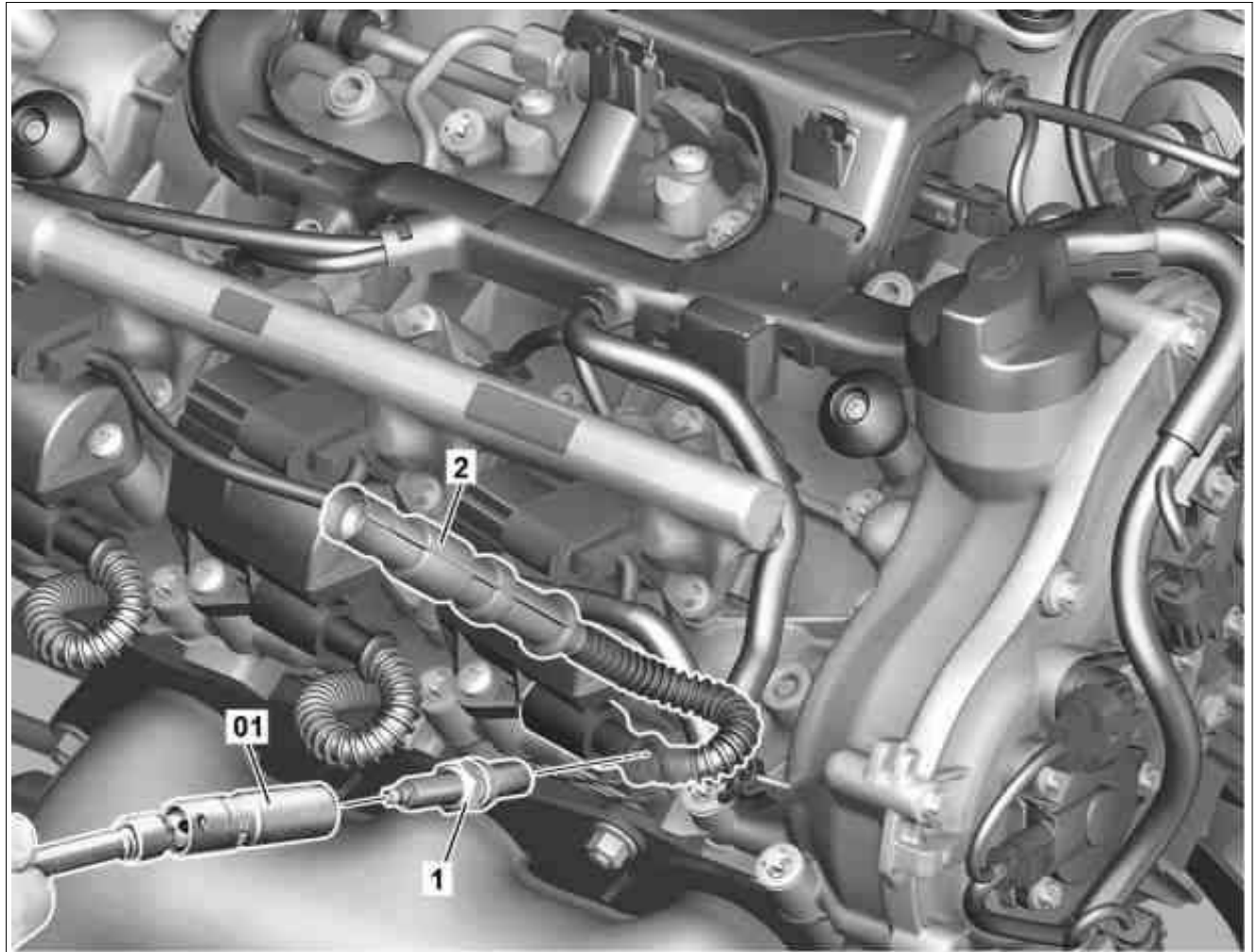
Document title Replace spark plugs

Document number ap1510p1580ew

Engine 157, 272, 273, 276, 278 in model 212
 Engine 157, 276, 278 in model 218
 Engine 272, 273, 276, 278 in model 207

Shown on engine 272.983 in model 212.057

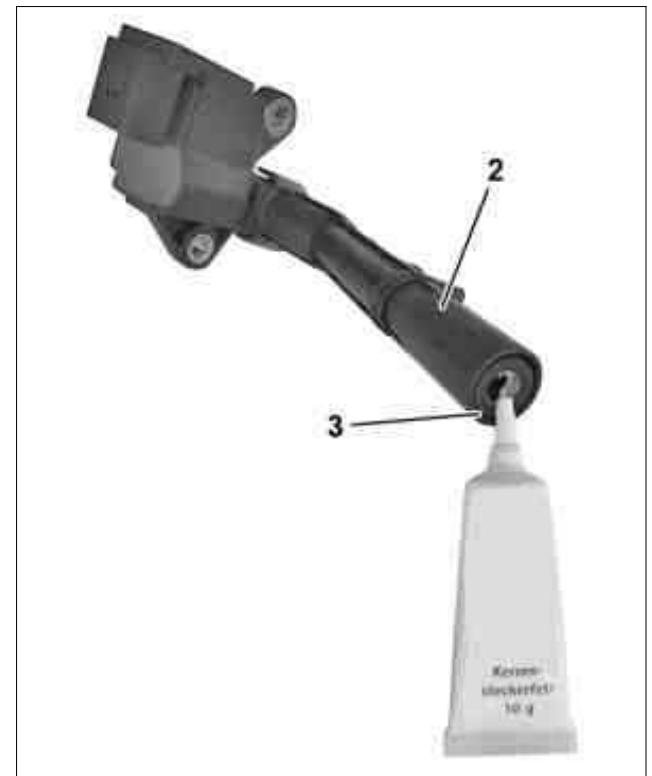
- 01 Spark plug wrench
- 1 Spark plug
- 2 Spark plug connector





P15.10-2349-06



























Shown on ignition coil in engine 157.980

- 2 Spark plug connector
- 3 Sealing lip



P15.10-2579-02

<p> Warning</p>	<p>Risk of injury. Skin or eye injuries may result when handling hot or glowing objects.</p>	<p>Wear protective gloves, protective clothing and safety glasses, if necessary.</p>	<p>AS00.00-Z-0002-01A</p>
	<p>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)</p>	<p>Do not touch damaged or defective live component parts and lines or non-insulated electrical connections and lines.</p>	<p>AS00.00-Z-0035-01A</p>
	<p>Information on avoiding damage when replacing spark plugs</p>		<p>AH15.10-P-0002-02A</p>
	<p>Preparatory activity</p>		
<p>1  AR</p>	<p>Open engine hood and raise to vertical position</p>	<p>Engine 157, 272, 273, 276, 278 in model 212 Engine 157, 276, 278 in model 218 Engine 272, 273, 276, 278 in model 207 Model 207 with engine 272, 273, 276, 278 Model 212 with engine 157, 272, 273, 276, 278</p>	<p>AR88.40-P-1000EW</p>

		 Engine 157, 272, 273, 276, 278 in model 212 with code U60 (Pedestrian protection - Active hood) Engine 272, 273, 276, 278 in model 207 with code U60 (Pedestrian protection - Active hood) Moving the engine hood to the vertical position: Remove left and right clamping levers from upper left and right hinges.	
	Remove		
2.1	Remove ignition coils	Engine 157, 272 (except 272.983), 273, 276, 278 in model 212 Engine 157, 276, 278 in model 218 Engine 272 (except 272.982/984), 273, 276, 278 in model 207 Engine 157, 276, 278 in model 212, 218 Engine 272 (except 272.982/984), 273 in model 207 Engine 272 (except 272.983), 273 in model 212 Engine 276, 278 in model 207	AR15.12-P-2003EL AR15.12-P-2003CV AR15.12-P-2003EW AR15.12-P-2003FH
   			
2.2	Detach spark plug connector (2) from spark plug (1)	Engine 272.982/984 in model 207 Engine 272.983 in model 212  Puller	AR15.12-P-1010-01CDE *272589013300
	Clean		
3	Blow out any dirt residue in the spark-plug recesses using compressed air	 Record plug  Set of protective covers	*129589009100 *001589019100
	Remove		
4	Unscrew spark plugs (1) using spark plug wrench (01) from cylinder heads	 Engine 157, 276, 278 in model 212 Engine 157, 276, 278 in model 218 Engine 276, 278 in model 207 Spark plug wrench  Engine 272, 273 in model 207, 212 Spark plug wrench	*278589000900 *112589010900
	Install		
5	Screw new spark plugs (1) tightly into cylinder heads using spark plug wrench (01)	 Spark plug to cylinder head  Engine 157, 276, 278 in model 212 Engine 157, 276, 278 in model 218 Engine 276, 278 in model 207 Spark plug wrench  Engine 272, 273 in model 207, 212 Spark plug wrench	*BA15.10-P-1001-01C *278589000900 *112589010900
	Check		
6	Check the spark plug connectors (2), ignition coils and ignition lines for damage, deformation and crack formation	If a problem arises ↓ Rectify problem subject to separate repair order.	
	Install		
7	Apply coating of spark plug connector grease to sealing lips (3) of spark plug connectors (2) before installation	Spark plug connector grease	*BR00.45-Z-1102-06A
8.1	Install ignition coils	Engine 157, 272 (except 272.983), 273, 276, 278 in model 212 Engine 157, 276, 278 in model 218 Engine 272 (except 272.982/984), 273, 276, 278 in model 207 Engine 157, 276, 278 in model 212, 218 Engine 272 (except 272.982/984), 273 in model 207 Engine 272 (except 272.983), 273 in model 212 Engine 276, 278 in model 207	AR15.12-P-2003EL AR15.12-P-2003CV AR15.12-P-2003EW AR15.12-P-2003FH
   			
8.2	Attach spark plug connectors (2) to spark plugs (1)	Engine 272.982/984 in model 207 Engine 272.983 in model 212  Align the ignition lines and pay attention to chafe-free routing.	AR15.12-P-1010-01CDE
			
	Finishing activity		
9	Close engine hood	Engine 157, 272, 273, 276, 278 in model 212 Engine 157, 276, 278 in model 218 Engine 272, 273, 276, 278 in model 207 Engine 157, 272, 273, 276, 278 in model 212 Engine 272, 273, 276, 278 in model 207	AR88.40-P-1000EW
			

i Engine 157, 272, 273, 276, 278 in model 212
with code U60 (Pedestrian protection - Active hood)
Engine 272, 273, 276, 278 in model 207
with code U60 (Pedestrian protection - Active hood)
Close engine hood:
Mount left and right clamping levers onto upper left and right hinges.

Nm Spark plugs

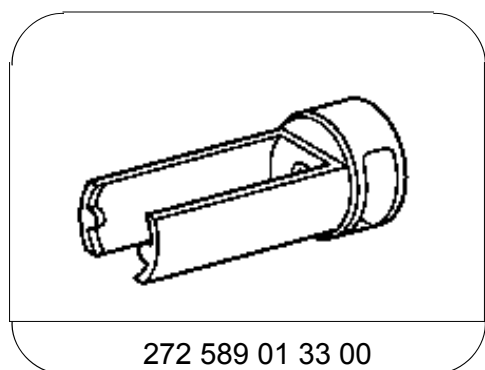
Number	Designation		Engine 157	Engine 272
BA15.10-P-1001-01C	Spark plug to cylinder head	Nm	23	23

Nm Spark plugs

Number	Designation		Engine 273	Engine 276
BA15.10-P-1001-01C	Spark plug to cylinder head	Nm	23	23

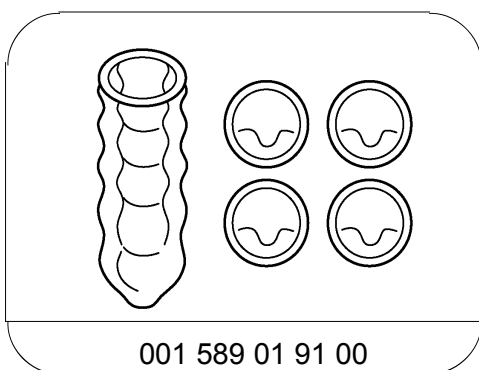
Nm Spark plugs

Number	Designation		Engine 278
BA15.10-P-1001-01C	Spark plug to cylinder head	Nm	23



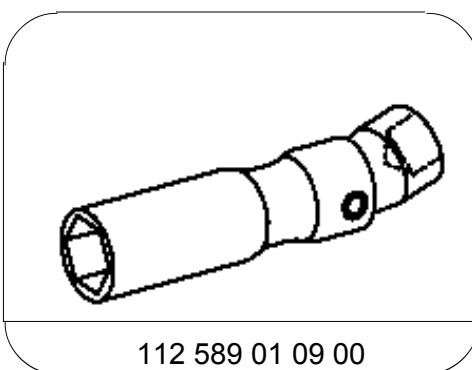
272 589 01 33 00

Puller



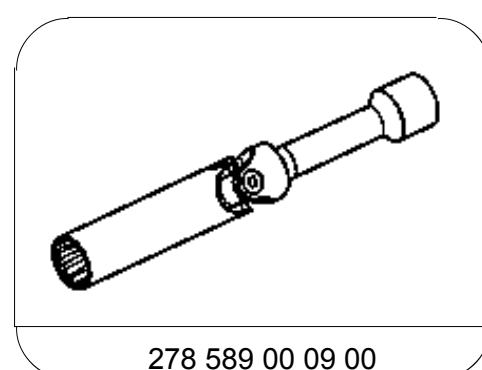
001 589 01 91 00

Set of protective covers



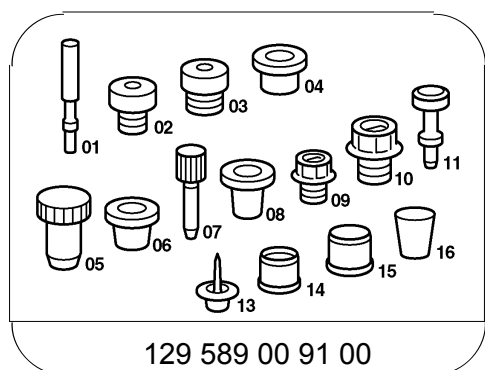
112 589 01 09 00

Spark plug wrench



278 589 00 09 00

Spark plug wrench



129 589 00 91 00

Record plug

Repair materials

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