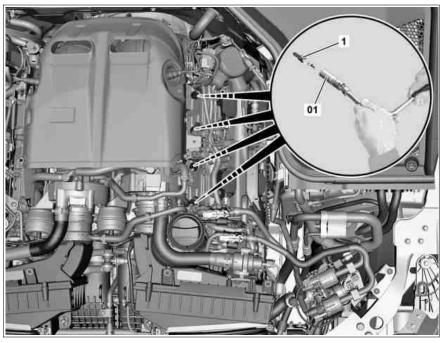
AP15.10-P-1580C Replace spark plugs 14.09.2018

Engine 176 in model 217, 222 Engine 176 in model 463

Engine 177 in model 205, 213, 217, 222, 253, 290, 463

Shown on engine 177.980 in model 213.088

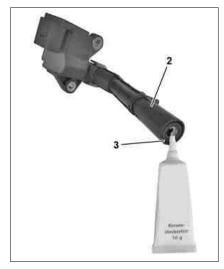
O1 Spark plug wrenchSpark plug



P15.10-2612-06

Shown on ignition coil in engine 157.980

- 2 Spark plug connector
- 3 Sealing lip



P15.10-2579-02

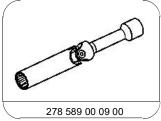
⚠ Warning	Risk of injury . Skin or eye injuries may result when handling hot or glowing objects.	Wear protective gloves, protective clothing and safety glasses, if necessary.	AS00.00-Z-0002-01A
	conducting high voltages.	Do not touch parts which conduct high voltages. People who have electronic implants (e.g. cardiac pacemakers) may not perform any work	
	Information on avoiding damage when replacing spark plugs	on the ignition system.	AH15.10-P-0002-02A
X	Remove		
1	Remove ignition coils.		

Engine 176 in model 217, 222, ignition left cylinder bank AR Engine 176 in model 217, 222, ignition right cylinder bank AR Engine 176 in model 217, 222, ignition right cylinder bank Engine 176 in model 463 up to model year 2019 Engine 177 in model 205	n coils of AR15.12-P-2008MNL
Engine 176 in model 217, 222, ignition right cylinder bank FAR Engine 176 in model 217, 222, ignition right cylinder bank Engine 176 in model 463 up to model year 2019	I
Engine 176 in model 463 up to model year 2019	n coils of AR15.12-P-2009MNL
up to model year 2019	AR15.12-P-2003MNA
	AR 15. 12-P-2005IVINA
Engine 176 in model 463 as of model 2019, ignition coils of left cylinder ban	•
Engine 176 in model 463 as of model 2019, ignition coils of right cylinder ba	year AR15.12-P-2009XGA
Engine 177 in model 213, ignition coil: cylinder bank	s of left AR15.12-P-2008MNE
Fingine 177 in model 213, ignition coile cylinder bank	s of right AR15.12-P-2009MNE
Engine 177 in model 217, 222 ignition left cylinder bank	coils of AR15.12-P-2008MNM
Engine 177 in model 217, 222 ignition right cylinder bank	coils of AR15.12-P-2009MNM
Engine 177 in model 253, ignition coil: cylinder bank	s for left AR15.12-P-2008MNG
Engine 177 in model 253, ignition coil.	s for right AR15.12-P-2009MNG
Engine 177 in model 290, ignition coile cylinder bank	s of left AR15.12-P-2008MNI
Engine 177 in model 290, ignition coil: cylinder bank	s of right AR15.12-P-2009MNI
Engine 177 in model 463 as of model 2019, ignition coils of left cylinder ban	
Engine 177 in model 463 as of model 2019, ignition coils of right cylinder ba	·
Clean	
2 Use compressed air to blow out any dirt residue (1)	
in the spark-plug recesses. Seal openings with lint-free rags.	
Damage can otherwise occur.	
Record plug	*129589009100
Remove Remove	
	*278589000900
Remove spark plugs (1) from cylinder heads S Spark plug wrench using spark plug wrench (01).	276303000300
Clean	
4 Vacuum spark plug wells using vacuum cleaner	
4 Vacuum spark plug wells using vacuum cleaner (3)	
4 Vacuum spark plug wells using vacuum cleaner attachment. (*) Remove metal insert at end of hose.	*270589006800
Vacuum spark plug wells using vacuum cleaner attachment. Remove metal insert at end of hose. Damage can otherwise occur.	*270589006800
Vacuum spark plug wells using vacuum cleaner attachment. Remove metal insert at end of hose. Damage can otherwise occur. Adapter Install	*270589006800 *BA15.10-P-1001-01H
Vacuum spark plug wells using vacuum cleaner attachment. Remove metal insert at end of hose. Damage can otherwise occur. Adapter Install Screw new spark plugs (1) into cylinder heads using spark plug wrench (01). Nm Spark plug to cylinder head	
Vacuum spark plug wells using vacuum cleaner attachment. Remove metal insert at end of hose. Damage can otherwise occur. Adapter Install Screw new spark plugs (1) into cylinder heads Spark plug to cylinder head	
Vacuum spark plug wells using vacuum cleaner attachment. Remove metal insert at end of hose. Damage can otherwise occur. Adapter Install Screw new spark plugs (1) into cylinder heads using spark plug wrench (01). Nm Spark plug to cylinder head	*BA15.10-P-1001-01H
Vacuum spark plug wells using vacuum cleaner attachment. Remove metal insert at end of hose. Damage can otherwise occur. Adapter Install Screw new spark plugs (1) into cylinder heads using spark plug wrench (01).	*BA15.10-P-1001-01H
4 Vacuum spark plug wells using vacuum cleaner attachment. ③ Remove metal insert at end of hose. Damage can otherwise occur. ③ Adapter Install 5 Screw new spark plugs (1) into cylinder heads using spark plug wrench (01). ☑ Spark plug to cylinder head Spark plug wrench ☑ Check 6 Check the spark plug connectors (2), ignition coils and ignition lines for damage, deformation If problems occur,	*BA15.10-P-1001-01H
4 Vacuum spark plug wells using vacuum cleaner attachment. ③ Remove metal insert at end of hose. Damage can otherwise occur. ③ Adapter Install 5 Screw new spark plugs (1) into cylinder heads using spark plug wrench (01). № Spark plug to cylinder head using spark plug wrench (01). ⑤ Check Check 6 Check the spark plug connectors (2), ignition coils and ignition lines for damage, deformation and crack formation. If problems occur,	*BA15.10-P-1001-01H
4 Vacuum spark plug wells using vacuum cleaner attachment. ③ Remove metal insert at end of hose. Damage can otherwise occur. ③ Adapter Install 5 Screw new spark plugs (1) into cylinder heads using spark plug wrench (01). № Spark plug to cylinder head using spark plug wrench (01). ⑤ Check Check the spark plug connectors (2), ignition coils and ignition lines for damage, deformation and crack formation. If problems occur,	*BA15.10-P-1001-01H
4 Vacuum spark plug wells using vacuum cleaner attachment. ③ Remove metal insert at end of hose. Damage can otherwise occur. ③ Adapter Install 5 Screw new spark plugs (1) into cylinder heads using spark plug wrench (01). № Spark plug to cylinder head using spark plug wrench (01). ⑤ Check Spark plug wrench Check the spark plug connectors (2), ignition coils and ignition lines for damage, deformation and crack formation. If problems occur,	*BA15.10-P-1001-01H
4 Vacuum spark plug wells using vacuum cleaner attachment. ③ Remove metal insert at end of hose. Damage can otherwise occur. ③ Adapter Adapter Screw new spark plugs (1) into cylinder heads using spark plug wrench (01). № Spark plug to cylinder head using spark plug wrench (01). ③ Check Check the spark plug connectors (2), ignition coils and ignition lines for damage, deformation and crack formation. If problems occur, rectify problems. I After obtaining special order.	*BA15.10-P-1001-01H
4 Vacuum spark plug wells using vacuum cleaner attachment. ③ Remove metal insert at end of hose. Damage can otherwise occur. ③ ☑ Adapter Install Image: Screw new spark plugs (1) into cylinder heads using spark plug wrench (01). Image: Spark plug to cylinder head wrench (01). ☑ Check 6 Check the spark plug connectors (2), ignition coils and ignition lines for damage, deformation and crack formation. If problems occur, Install Install 7 Apply coating of spark plug connector grease to sealing lips (3) of spark plug connectors (2) Spark plug connector grease	*BA15.10-P-1001-01H *278589000900
Vacuum spark plug wells using vacuum cleaner attachment. Remove metal insert at end of hose. Damage can otherwise occur. Adapter Adapter	*BA15.10-P-1001-01H *278589000900 *BR00.45-Z-1102-06A
Vacuum spark plug wells using vacuum cleaner attachment. Remove metal insert at end of hose. Damage can otherwise occur. Adapter Install Screw new spark plugs (1) into cylinder heads using spark plug wrench (01). Check Check Check the spark plug connectors (2), ignition coils and ignition lines for damage, deformation and crack formation. Install Apply coating of spark plug connector grease to sealing lips (3) of spark plug connectors (2) before installation. Install ignition coils. Engine 176 in model 217, 222, ignition	*BR00.45-Z-1102-06A *BR00.45-Z-2008MNL
Vacuum spark plug wells using vacuum cleaner attachment. Remove metal insert at end of hose. Damage can otherwise occur. Adapter Adapter	*BR00.45-Z-1102-06A *BR00.45-Z-2008MNL
Vacuum spark plug wells using vacuum cleaner attachment. Remove metal insert at end of hose. Damage can otherwise occur. Adapter Adapter Install Screw new spark plugs (1) into cylinder heads using spark plug wrench (01). Spark plug to cylinder head Spark plug wrench Spark plug wrench Check Check the spark plug connectors (2), ignition coils and ignition lines for damage, deformation and crack formation. If problems occur, rectify problems. After obtaining special order. Install Apply coating of spark plug connector grease to sealing lips (3) of spark plug connectors (2) before installation. Install Install Install ignition coils. Engine 176 in model 217, 222, ignition left cylinder bank Engine 176 in model 217, 222, ignition right cylinder bank Engine 176 in model 463	*BR00.45-Z-1102-06A *BR00.45-Z-1102-06A *Coils of AR15.12-P-2008MNL AR15.12-P-2009MNL AR15.12-P-2003MNA

⊯ AR		AR15.12-P-2009XGA
⊯ AR	2019, ignition coils of right cylinder bank Engine 177 in model 213, ignition coils of left	AR15.12-P-2008MNE
	cylinder bank	
⊯ AR	Engine 177 in model 213, ignition coils of right cylinder bank	AR15.12-P-2009MNE
⊯ AR	Engine 177 in model 217, 222 ignition coils of left cylinder bank	AR15.12-P-2008MNM
I¥ AR	Engine 177 in model 217, 222 ignition coils of right cylinder bank	AR15.12-P-2009MNM
S AR	Engine 177 in model 253, ignition coils for left cylinder bank	AR15.12-P-2008MNG
⊯ AR	Engine 177 in model 253, ignition coils for right cylinder bank	AR15.12-P-2009MNG
⊯ AR	Engine 177 in model 290, ignition coils of left cylinder bank	AR15.12-P-2008MNI
I¥ AR	Engine 177 in model 290, ignition coils of right cylinder bank	AR15.12-P-2009MNI
⊯ AR	Engine 177 in model 463 as of model year 2019, ignition coils of left cylinder bank	AR15.12-P-2008XGC
i≆ AR	Engine 177 in model 463 as of model year 2019, ignition coils of right cylinder bank	AR15.12-P-2009XGC

Nm Spark plugs

Number	Designation		Engine 176	Engine 177
BA15.10-P-1001-01H	Spark plug to cylinder head	Nm	22	22







Spark plug wrench

Record plug

Adapter

Repair materials

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