








Engine 276.9 in model 166, 251



P22.10-2379-08

Illustrated on model 166.0

1	Bracket	3a	Heat shield	G3/3	Left oxygen sensor upstream of catalytic converter
2	Shield	4	Screw/bolt	G3/4	Right oxygen sensor upstream of catalytic converter
2a	Shield	6	Screw/bolt		
3	Heat shield	7	Engine mount		

 	Remove/install		
	Risk of injury caused by fingers being jammed or pinched when removing, installing or aligning hoods, doors, trunk lid/rear-end door or sliding roof.	No parts of the body or limbs should be within the operating area when the components are moving.	AS00.00-Z-0011-01A
	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between vehicle lift columns and position the four support plates at the vehicle lift support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
	Notes on bolted connections with self tapping screws		AH00.00-P-0007-01SF
1 	Detach ground line from battery Notes on battery	Engine 276.9 in model 251 Engine 276.9 in model 166  For removing right-hand engine mount (7)	AR54.10-P-0003RT AH54.10-P-0001-01A AR54.10-P-0003GZ
2	Remove front engine cover		
3.1	Remove air filter housing with engine air intake duct upstream of air filter	For removing right-hand engine mount (7)  Screw/bolt, air filter to cylinder head cover  Screw/bolt, air filter to air intake pipe support brace	*BA09.10-P-1001-01M *BA09.10-P-1002-01M
3.2	Remove ME-SFI [ME] control unit	For removing left-hand engine mount (7)	AR07.08-P-7008GQ
4	Remove section of the left, center and right partition wall		
5.1	Unfasten shield (2a)	For removing right-hand engine mount (7)	AR14.10-P-4095GQ
5.2	Unfasten bracket (1) for ME-SFI [ME] control unit with shield (2)	For removing left-hand engine mount (7)	AR14.10-P-4095GQ
6.1	Remove right oxygen sensor upstream of catalytic converter (G3/4)	For removing right-hand engine mount (7)	AR07.52-P-5303GQ

6.2	Remove left oxygen sensor upstream of catalytic converter (G33)	For removing left-hand engine mount (7)	AR07.52-P-5303GQ
7.1	Remove shield (2a)	For removing right-hand engine mount (7)	AR14.10-P-4095GQ
7.2	Remove bracket (1) for ME-SFI [ME] control unit with shield (2)	For removing left-hand engine mount (7)	AR14.10-P-4095GQ
8.1	Remove heat shield (3a) over engine mount (7) at engine support	For removing right-hand engine mount (7) Bolt, heat shield to engine support	*BA22.10-P-1003-02A
8.2	Detach heat shield (3) over engine mount (7) at engine support and set aside or remove	For removing left-hand engine mount (7) Model 166: the heat shield (3) and engine mount (7) can only be removed/installed together. Model 251: the heat shield (3) can be removed individually. Bolt, heat shield to engine support	*BA22.10-P-1003-02A
9	Mount engine hoist and raise engine slightly	Engine 276.9 in model 251 Engine 276.9 in model 166 Only raise engine sufficiently that the engine mount (7) is not under tension. Engine 276.9 in model 251 Bolt, partition wall reinforcement between wheel well liners to fender Engine lifting device	AR33.10-P-0100-01RT AR33.10-P-0105EW *BA62.30-P-1008-01E *240589006100
10	Remove corresponding underfloor paneling	Engine 276.9 in model 251 Engine 276.9 in model 166	AR61.30-P-1001RT AR61.30-P-1001GQ
11	Unscrew screw/bolts (6) for engine mounts (7) on front axle carrier	Engine 276.9 in model 251 Bolt, front engine mount to front axle carrier Engine 276.9 in model 166 Bolt, front engine mount to front axle carrier	*BA22.10-P-1001-03F *BA22.10-P-1001-03G
12	Remove screw/bolts for engine support on engine mounts (7)	Engine 276.9 in model 251 Bolt, front engine mount to engine support Engine 276.9 in model 166 Bolt, front engine mount to engine support Engine mount wrench set	*BA22.10-P-1002-03F *BA22.10-P-1002-03G *001589011600
13	Lift engine	Pay attention when lifting out engine that no cables and lines are damaged and that engine does not lean against the bulkhead.	
14.1	Remove screw/bolt from A/C compressor at engine support	For removing left-hand engine mount (7) Screw/bolt, refrigerant compressor to timing case/crankcase/engine support	*BA83.55-P-1001-01M
14.2	Detach alternator and place to one side with the lines connected	Only model 166 with 4MATIC, model 251 For removing right-hand engine mount (7) Bolt, alternator to timing case	*BA15.40-P-1001-01F
15	Remove screw/bolt for ground line on engine support	Vehicles without 4MATIC For removing right-hand engine mount (7)	
16	Take out engine mount (7)	Always replace engine mount (7) in pairs. Installation: Ensure that the correct installation position is obtained when assembling the engine mount (7).. Pay attention to environmental protection regulations for disposal of engine mounts (7). Dispose of engine mounts (7) into mixed scrap.	
17	Detach and remove engine support on cylinder crankcase	Bolt, engine support to crankcase	*BA22.10-P-1001-02A
18	Install in the reverse order		

Air filter

Number	Designation		Engine 276.9
BA09.10-P-1001-01M	Screw/bolt, air filter to cylinder head cover	Nm	9

Air filter

Number	Designation	Engine 276.9
BA09.10-P-1002-01M	Screw/bolt, air filter to air intake pipe support brace Nm	9

Nm Alternator

Number	Designation	Engine 276
BA15.40-P-1001-01F	Bolt, alternator to timing case	Stage 1 Nm 20
		Stage 2 Nm -

Nm Engine support (engine side)

Number	Designation	Engine 276
BA22.10-P-1001-02A	Bolt, engine support to crankcase	Stage 1 Nm 20
		Stage 2 Δ° 90

Nm Engine mount, engine support (engine side)

Number	Designation	Model 251
BA22.10-P-1001-03F	Bolt, front engine mount to front axle carrier Nm	53

Nm Engine mount, engine support (engine side)

Number	Designation	Model 166 with engine 276, 642, 651
BA22.10-P-1001-03G	Bolt, front engine mount to front axle carrier Nm	53

Nm Engine mount, engine support (engine side)

Number	Designation	Model 251
BA22.10-P-1002-03F	Bolt, front engine mount to engine support Nm	53

Nm Engine mount, engine support (engine side)

Number	Designation	Model 166 with engine 276, 642, 651
BA22.10-P-1002-03G	Bolt, front engine mount to engine support	Stage 1 Nm 53
		Stage 2 Δ° -

Nm Engine support (engine side)

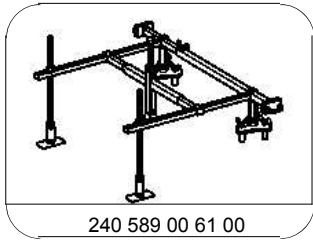
Number	Designation	Engine 276
BA22.10-P-1003-02A	Bolt, heat shield to engine support Nm	13

Nm Crossmember and front reinforcement

Number	Designation	Model 251
BA62.30-P-1008-01E	Bolt, partition wall reinforcement between wheel well liners to fender Nm	10

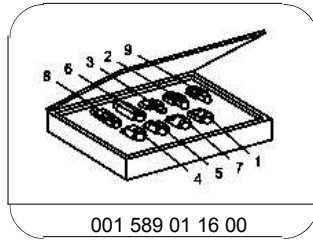
Nm Refrigerant compressor

Number	Designation	Engine 276
BA83.55-P-1001-01M	Screw/bolt, refrigerant compressor to timing case/crankcase/engine support Nm	20



240 589 00 61 00

Engine lifting device



001 589 01 16 00

Engine mount wrench set