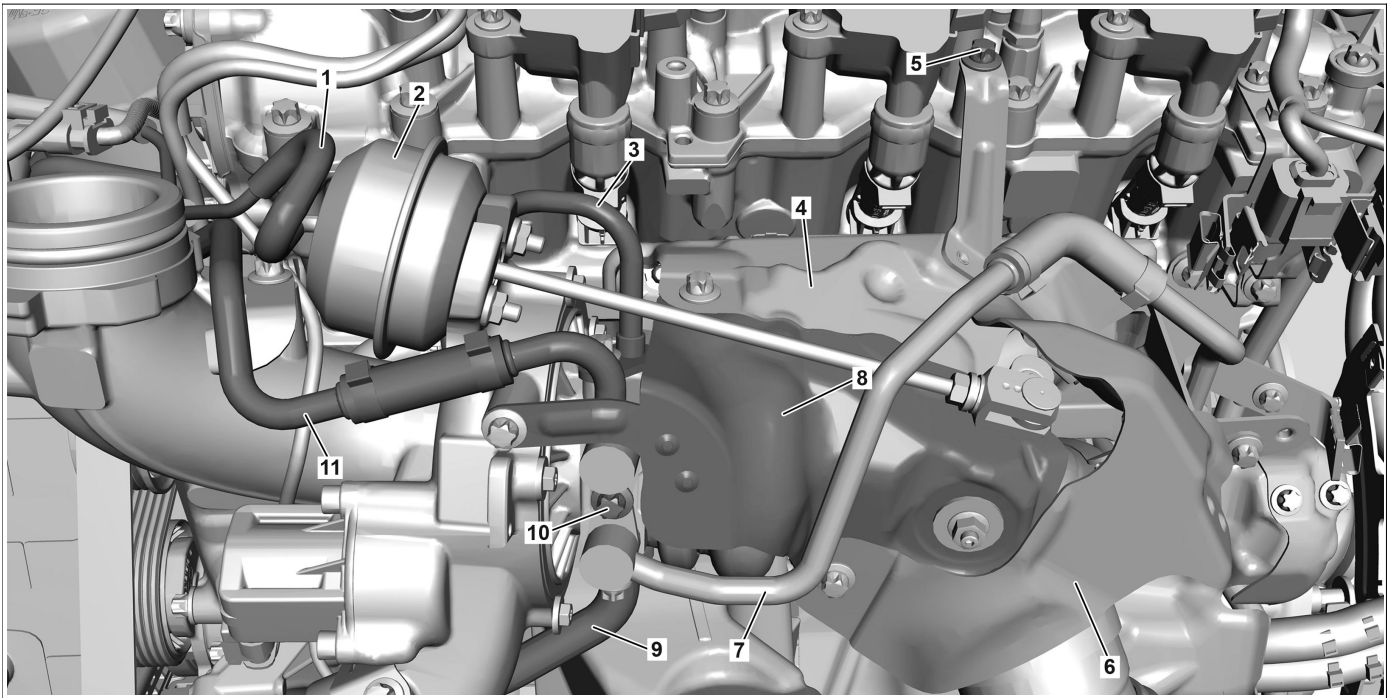


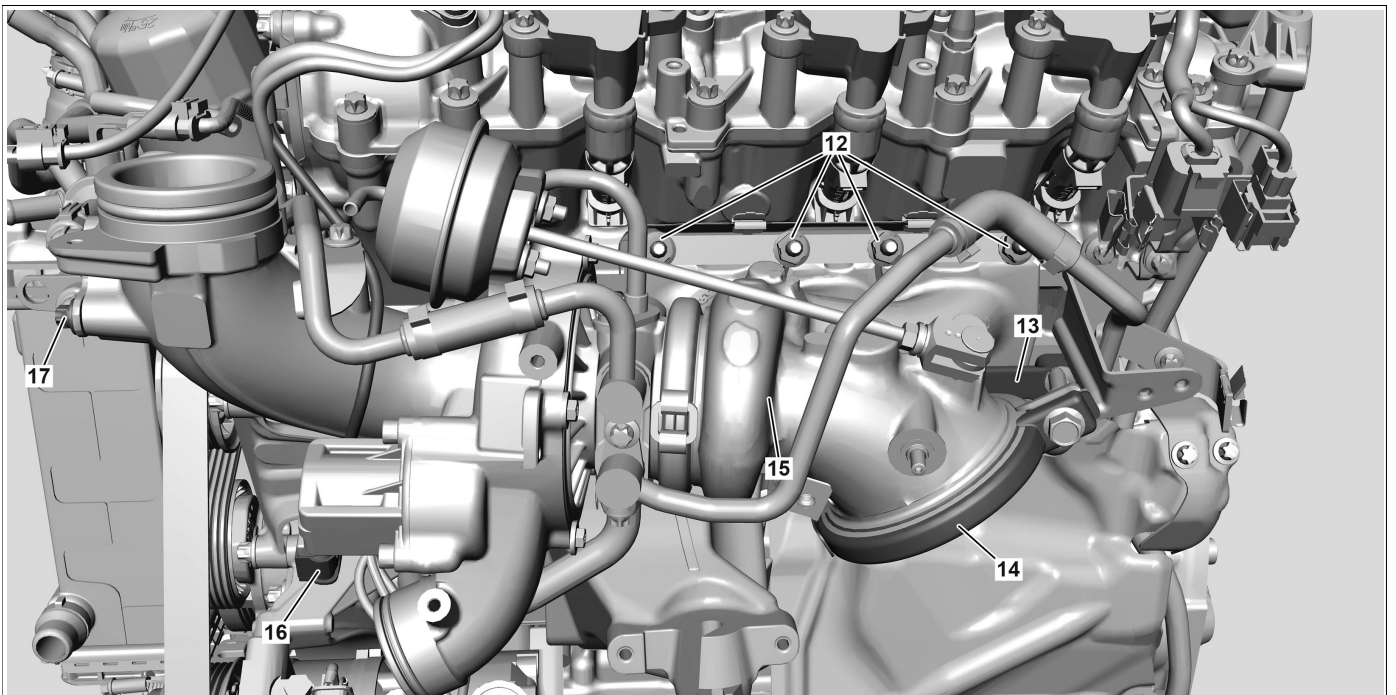
Engine 276.8 in model 205
 Engine 276.8 in model 253



P09.40-2556-09

Shown on model 205.066

- | | | | | | |
|---|----------------------|---|------------------------|----|--------------------------|
| 1 | Vacuum hose | 5 | Screw/bolt | 9 | Engine oil return line |
| 2 | Vacuum unit | 6 | Heat shield | 10 | Screw/bolt |
| 3 | Engine oil feed line | 7 | Coolant line feed line | 11 | Coolant return flow line |
| 4 | Heat shield | 8 | Heat shield | | |
















P09.40-2557-09

Shown on model 253 with engine 276.8

12 Nuts
13 Terminal rail

14 Mounting clamp
15 Left ATL

16 Electrical connection
17 Screw/bolt

 Danger!	Risk of injury to skin and eyes due to handling of engine oil. Risk of poisoning caused by swallowing engine oil	Wear protective gloves, protective clothing and safety glasses. Do not fill engine oil into beverage containers.	AS18.00-Z-0001-01A
 Danger!	Risk of injury to skin and eyes suffering scalding from contact with hot coolant spray. Risk of poisoning from swallowing coolant.	Do not open cooling system unless coolant temperature is below 90 °C. Open cap slowly and release the pressure. Do not pour coolant into beverage containers. Wear protective gloves, protective clothing and safety glasses.	AS20.00-Z-0001-01A
 Danger!	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
	Notes on avoiding damage through contamination and foreign objects		AH00.00-P-5000-01A
	Protect air conditioning circuit and components from moisture when carrying out repair work		AH83.30-P-0005-01A
	Remove/install		
1	Drain air conditioning system		AR83.30-P-1760LW
2	Remove left-hand air filter housing		AR09.10-P-1150MMV
3	Remove left rail insulation		
4	Remove screw/bolt (17), detach vent line to place one side		
5	Remove left charge air pipe		AR09.41-P-1327MMV
6	Release and disconnect electrical connection (16)		
7	Remove screw/bolt (5)	Engine 276.8 in model 205 up to model year 2016  Bolt for coolant line attachment	*BA09.40-P-1010-01W
8	Detach coolant line feed line (7) on left ATL (15) and place to one side		AR09.41-P-0011MMV
9	Detach inerting system line from heat shield (6, 8) and place to one side	Engine 276.8 in model 205, 253 with code 2U8 (Alternative refrigerant)	
10	Remove heat shield (6)	 Bolt/nut for shield attachment	*BA09.40-P-1011-01W
11.1	Remove heat shield (8)	Engine 276.8 in model 205 up to model year 2016 Engine 276.8 in model 253  Bolt/nut for shield attachment  Bolt, turbocharger shield bracket to cylinder head	*BA09.40-P-1011-01W *BA09.40-P-1012-01W
11.2	Detach heat shield (8)	Engine 276.8 in model 205 as of model year 2016  The heat shield (8) remains in vehicle.  Bolt/nut for shield attachment	*BA09.40-P-1011-01W
12	Remove heat shield (4)	 Bolt/nut for shield attachment	*BA09.40-P-1011-01W
13	Detach holder of the coolant return flow line (11) on oil filter housing and thermostat housing		AR09.41-P-0016MMV
14	Detach coolant line return line (11) on left ATL (15) and place to one side		AR09.41-P-0016MMV
15	Remove rear section of lower engine compartment paneling		AR61.20-P-1105LW
16	Detach bracket of the left catalytic converter from torque converter housing	 Screw/bolt, catalytic converter/diesel particulate filter bracket to bell housing/engine	*BA49.10-P-1014-02A
17	Detach engine oil feed line (3) at on ATL (15)		AR09.40-P-0002MMV
18	Open hose clamp on engine oil return hose, detach engine oil return hose from engine oil return line (9) and close off openings with stop plug	 Record plug  Hose clamp pliers	*129589009100 *003589033700
19	Detach vacuum hose (1) from vacuum unit (2)		
20	Detach refrigerant line in engine compartment at connecting point	 Installation: Replace O-ring.  Nut, refrigerant line to connecting point	*BA83.30-P-1004-01Q
21	Open mounting clamp (14) and disconnect flange connection between left ATL (15) and exhaust pipe	 Installation: Replace mounting clamp (14) and seal.	

		<p>i Installation: The dowel pin on exhaust pipe must be set in the notch on the left ATL (15). After screwing down the mounting clamp (14) using the prescribed tightening torque there should be no gap anymore on the left clamp lock.</p> <p>Nm Clamp, exhaust line for catalytic converter to turbocharger</p>	*BA49.10-P-1001-02A
22	Unscrew nuts (12) in reverse order to the tightening procedure of exhaust manifold and remove peg board	Tightening procedure for exhaust manifold	AR14.10-P-3000-01MM
		Nm Nut, exhaust manifold to cylinder head	*BA14.10-P-1001-01E
23	Unclip left ATL (15) from terminal rail (13) and remove upwards	i Installation: Replace seal.	
24	Detach engine oil feed line (9) at on left ATL (15)	Engine 276.8 in model 205 as of model year 2016 Engine 276.8 in model 253 Only when replacing the left ATL (15).	AR09.40-P-0004MMV
25	Install in the reverse order		
26.1	Check engine oil level and correct if necessary	When reusing the left ATL (15).	AP18.00-P-1811MP
26.2	Carry out engine oil and filter change	When replacing the left ATL (15).	AP18.00-P-0101CWZ
⚠ Danger !	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
27	Perform an engine test run and check engine for proper operation and leaktightness		

Nm Turbocharger

Number	Designation			Engine 276.8
BA09.40-P-1010-01W	Bolt for coolant line attachment	M6	Nm	9

Nm Turbocharger

Number	Designation			Engine 276.8
BA09.40-P-1011-01W	Bolt/nut for shield attachment	M6	Nm	9

Nm Turbocharger

Number	Designation			Engine 276.8
BA09.40-P-1012-01W	Bolt, turbocharger shield bracket to cylinder head	M7	Nm	14

Nm Exhaust manifold

Number	Designation			Engine 276.8
BA14.10-P-1001-01E	Nut, exhaust manifold to cylinder head		Nm	20

Nm Exhaust system

Number	Designation		Engine 276 in model 205	Engine 276 in model 253
BA49.10-P-1001-02A	Clamp, exhaust line for catalytic converter to turbocharger	Nm	17	17

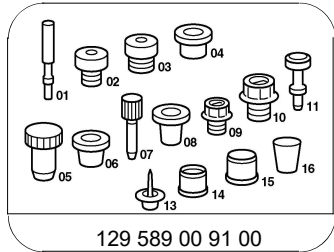
Nm Exhaust system

Number	Designation		Engine 276 in model 205	Engine 276 in model 253
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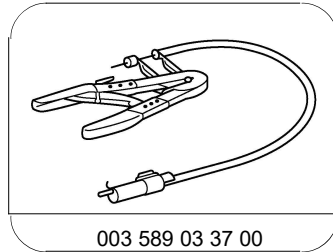
BA49.10-P-1014-02A	Screw/bolt, catalytic converter/diesel particulateM8 filter bracket to bell housing/engine	Nm	20	20
		M10	Nm	39

Nm Air conditioning

Number	Designation		Model 205	Model 253
BA83.30-P-1004-01Q	Nut, refrigerant line to connecting point	Nm	12	12



Record plug



Hose clamp pliers