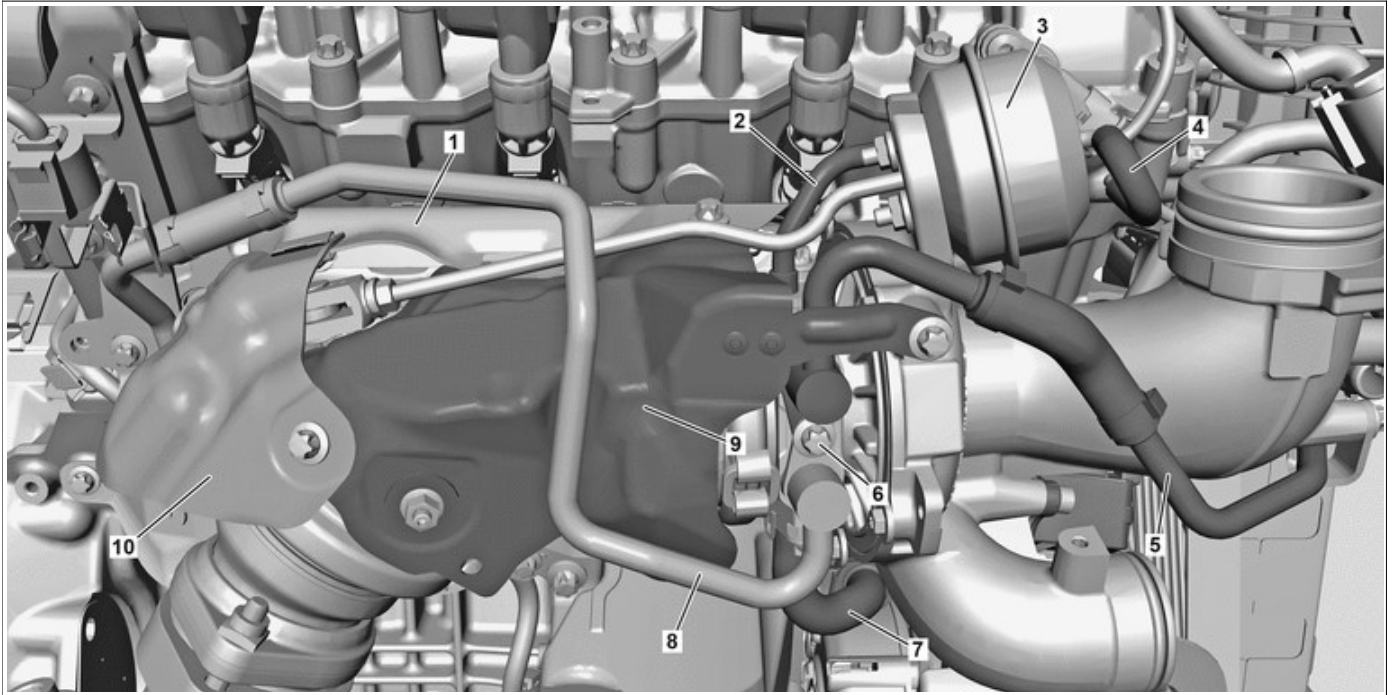


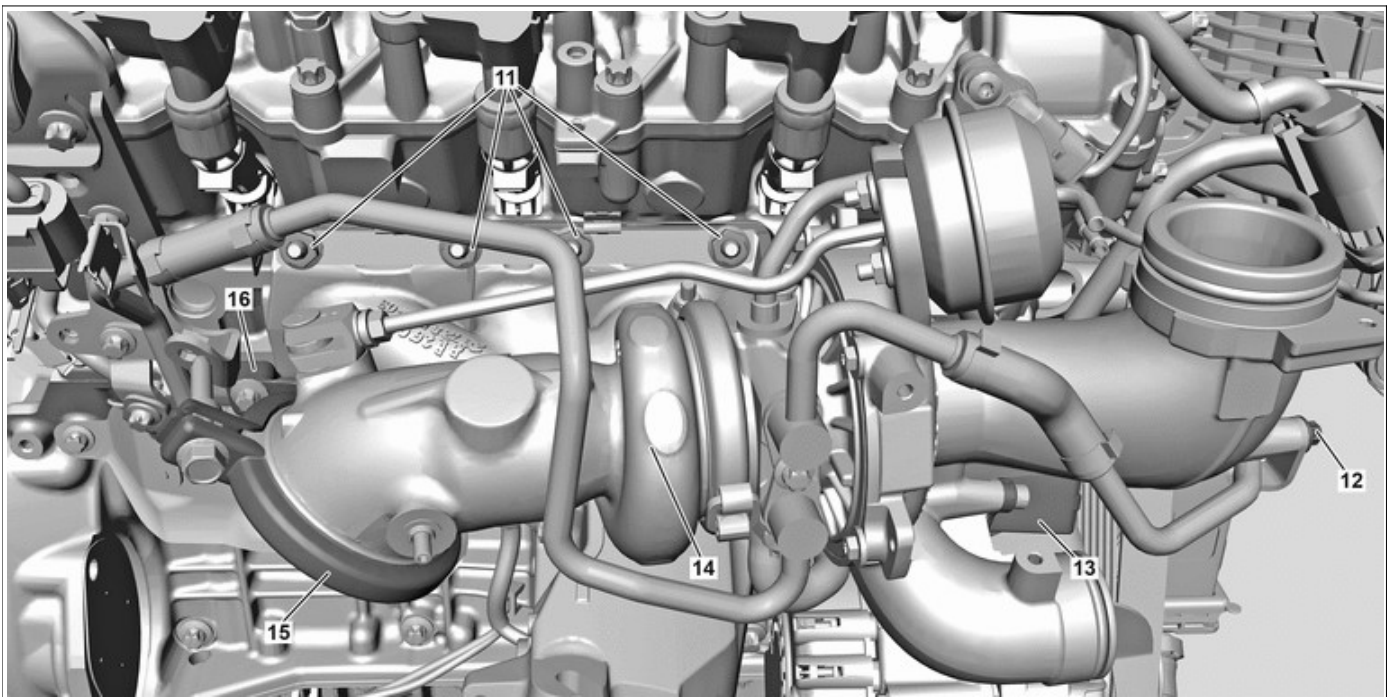
Engine 276.8 in model 205
 Engine 276.8 in model 253



P09.40-2558-09
















Shown on model 253 with engine 276.8

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



P09.40-2559-09

Shown on model 253 with engine 276.8

 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 coolantspray. 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
	Remove/install		
1	Remove right air filter housing		AR09.10-P-1150MMV
2	Remove right rail insulation		
3	Detach vent line on right ATL (14) and place to one side		
4	Release and disconnect electrical connection at right thrust circulating air switchover valve (13)		
5	Remove screw/bolt, holder of coolant line feed line (8) on right cylinder head cover	Engine 276.8 in model 205 up to model year 2016  Bolt for coolant line attachment	*BA09.40-P-1010-01W
6	Detach coolant line feed line (8) on right ATL (14) and place to one side		AR09.41-P-0012MMV
7	Detach inerting system line holder from heat shield (9, 10) and place to one side	Engine 276.8 in model 205, 253 with code 2U8 (Alternative refrigerant)	
8	Remove heat shield (10)	 Bolt/nut for shield attachment	*BA09.40-P-1011-01W
9.1	Remove heat shield (9)	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
9.2	Detach heat shield (9)	Engine 276.8 in model 205 as of model year 2016  The heat shield (9) remains in the vehicle.  Bolt/nut for shield attachment	*BA09.40-P-1011-01W
10	Remove heat shield (1)	 Bolt/nut for shield attachment	*BA09.40-P-1011-01W
11	Detach coolant line return line (5) on right ATL (14) and place to one side		AR09.41-P-0016MMV
12	Remove rear section of lower engine compartment paneling	Engine 276.8 in model 205 up to model year 2016  Installation: Only install the rear section of the engine compartment paneling after the leak test.	AR61.20-P-1105LW
13.1	Detach bracket of the right catalytic converter from torque converter housing	Engine 276.8 in model 205 up to model year 2016  Screw/bolt, catalytic converter/diesel particulate filter bracket to bell housing/engine	*BA49.10-P-1014-02A
13.2	Remove right catalytic converter	Engine 276.8 in model 205 as of model year 2016 Engine 276.8 in model 253	AR49.10-P-5503MMV
14	Detach vent line (2) on right ATL (14) and place to one side		AR09.40-P-0003MMV
15	Detach vent line (7) on right ATL (14) and place to one side		AR09.40-P-0005MMV
16	Detach vacuum hose (4) from vacuum unit (3)		
17	Place holder of electrical connections of right oxygen sensor upstream of catalytic converter and the right oxygen sensor downstream of catalytic converter	Engine 276.8 in model 205 as of model year 2016	
18	Open mounting clamp (15) and disconnect flange connection between right ATL (14) and exhaust pipe	 Installation: Replace mounting clamp (15) and seal.	

		<p>i Installation: The dowel pin on exhaust pipe must be set in the notch on the right ATL (14). After screwing down the mounting clamp (15) using the prescribed tightening torque there should be no gap anymore on the clamp lock.</p> <p>Nm Clamp, exhaust line for catalytic converter to turbocharger</p>	*BA49.10-P-1001-02A
19	Unscrew nuts (11) in reverse order to the tightening procedure of exhaust manifold and remove peg board	<p>Tightening procedure for exhaust manifold</p> <p>Nm Nut, exhaust manifold to cylinder head</p>	AR14.10-P-3000-01MM *BA14.10-P-1001-01E
20.1	Unclip right ATL (14) from terminal rail (16) and remove upwards	<p>Engine 276.8 in model 205 up to model year 2016</p> <p>i Installation: Replace seal.</p>	
20.2	Unclip right ATL (14) from terminal rail (16) and remove upwards	<p>Engine 276.8 in model 205 as of model year 2016 Engine 276.8 in model 253</p> <p>i Installation: Replace seal.</p>	
21	Install in the reverse order		
22.1	Check engine oil level and correct if necessary	When reusing the right ATL (14).	AP18.00-P-1811MP
22.2	Carry out engine oil and filter change	Only when replacing right ATL (14).	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
23	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

BA49.10-P-1014-02A	Screw/bolt, catalytic converter/diesel particulate filter bracket to bell housing/engine	M8	Nm	20
		M10	Nm	39