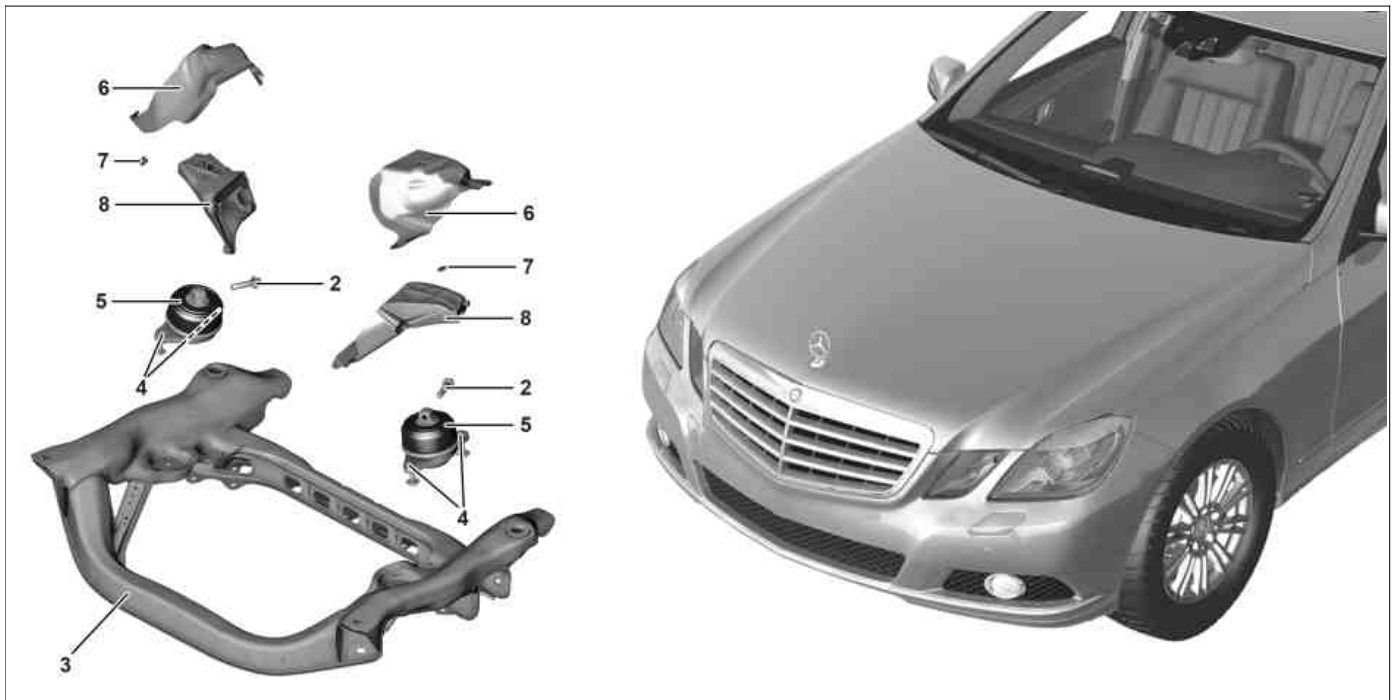


ENGINE 157, 278 in MODEL 212, 218

ENGINE 278 in MODEL 207



P22.10-2382-09

Shown on model 212.073

2 Screw/bolt

3 Front axle carrier

4 Screw/bolt












5 Engine mount

6 Heat shield

7 Retaining clamp

8 Engine support

	Remove/install		
Danger !	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	Mount engine hoist and raise engine slightly	MODEL 207 MODEL 212, 218 Only raise engine sufficiently that the engine mounts are not under tension.	AR33.10-P-0105CW AR33.10-P-0105EW
2	Raise vehicle		
3	Remove bottom engine compartment paneling		AR61.20-P-1105EW
4	Remove screw/bolts (2) for engine mount (5) on engine support (8)	Bolt, front engine mount to engine support	*BA22.10-P-1001-03E
5	Remove front axle carrier (3)	212, 218 with 4Matic	AR33.10-P-0001EW
6	Remove screw/bolts (4) for engine mount (5) on front axle carrier (3)	Bolt, front engine mount to front axle carrier	*BA22.10-P-1002-03E
7	Remove steering coupling	When removing left-hand engine mount (5) MODEL 207 MODEL 212, 218	AR46.10-P-8000CW AR46.10-P-8000EW
8	Remove heat shield (6) on engine support (8)	Bolt, heat shield to engine support	*BA22.10-P-1003-02A


9	Lift engine	 Ensure for lifting the engine that it does not touch the partition wall. The cable and lines can be damaged otherwise.	
10	Remove engine mount (5) to the rear	 Installation: The engine mount (5) must sit in the cutouts on the engine support (8).  Always replace engine mount (5) in pairs. Pay attention to environmental protection regulations for disposal of engine mounts (5).	
	Left engine support (8)		
11	Remove screw/bolt for A/C compressor on engine support (8)	 Bolt, refrigerant compressor to timing case/crankcase/engine support	*BA83.55-P-1001-01M
12	Remove rear heat shield from turbocharger	 Bolt, shield to turbocharger/cylinder head	*BA09.40-P-1007-01R
13	Remove screw/bolts for engine support (8) on crankcase	 Bolt, engine support to crankcase  Set of flexible head wrenches	*BA22.10-P-1001-02A *001589810900
14	Remove engine support (8) to the rear		
	Right engine support (8)		
15	Remove alternator		AR15.40-P-5032ELB
16	Remove screw/bolt for heat shield on starter at engine support (8)	 Bolt, heat shield to engine support	*BA22.10-P-1003-02A
17	Unclip retaining clamp (7) for heat shield on the turbocharger at heat shield (6) of engine support (8) and remove retaining clamp (7)		
18	Remove rear heat shield from turbocharger	 Bolt, shield to turbocharger/cylinder head	*BA09.40-P-1007-01R
19	Remove screw/bolts for engine support (8) on crankcase	 Bolt, engine support to crankcase  Set of flexible head wrenches	*BA22.10-P-1001-02A *001589810900
20	Remove engine support (8) with heat shield (6) downwards		
21	Install in the reverse order		

 Turbocharger

Number	Designation		ENGINE 157	ENGINE 278
BA09.40-P-1007-01R	Bolt, shield to turbocharger/cylinder head	Nm	9	9

 Engine support (engine side)

Number	Designation		ENGINE 157	ENGINE 278
BA22.10-P-1001-02A	Bolt, engine support to crankcase	Stage 1	Nm	20
		Stage 2	∠°	90

 Engine mount, engine support (engine side)

Number	Designation		MODEL 207	MODEL 212	
BA22.10-P-1001-03E	Bolt, front engine mount to engine support	M10	Nm	50	
		M12	Stage 1	Nm	85
			Stage 2	∠°	90

 Engine mount, engine support (engine side)

Number	Designation		MODEL 218		
BA22.10-P-1001-03E	Bolt, front engine mount to engine support	M10	Nm	50	
		M12	Stage 1	Nm	85
			Stage 2	∠°	90

 Engine mount, engine support (engine side)

Number	Designation		MODEL 207	MODEL 212
BA22.10-P-1002-03E	Bolt, front engine mount to front axle carrier	M8	Nm	28

Nm Engine mount, engine support (engine side)

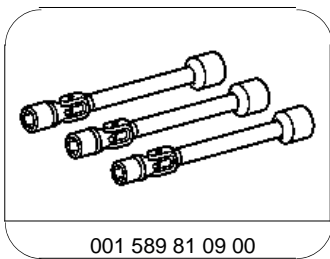
Number	Designation	MODEL 218
BA22.10-P-1002-03E	Bolt, front engine mount to front axle carrier M8	Nm 28

Nm Engine support (engine side)

Number	Designation	ENGINE 157	ENGINE 278
BA22.10-P-1003-02A	Bolt, heat shield to engine support	Nm 9	13

Nm Refrigerant compressor

Number	Designation	ENGINE 157	ENGINE 278
BA83.55-P-1001-01M	Bolt, refrigerant compressor to timing case/crankcase/engine support	Nm 20	20



Set of flexible head wrenches