

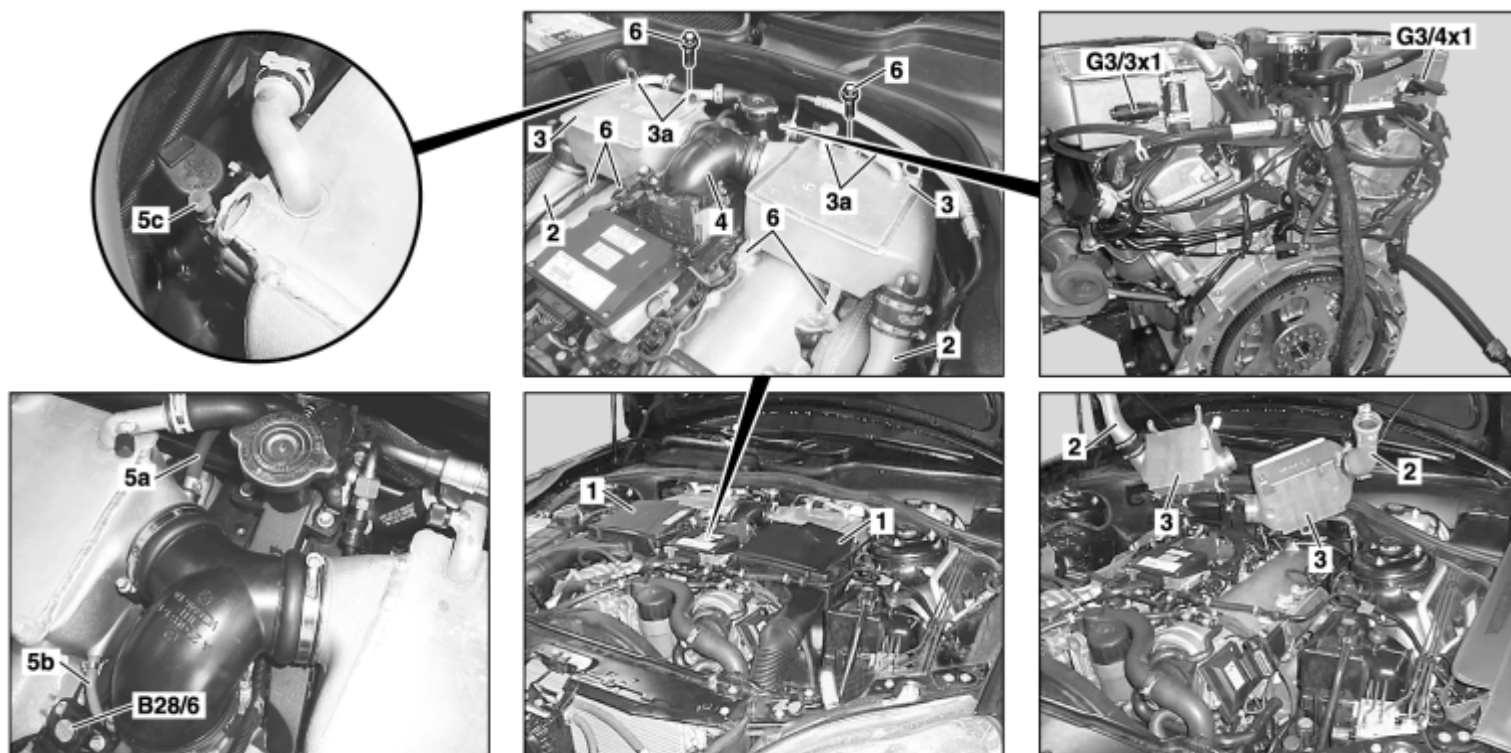
AR15.12-P-1100LA

Remove/install ignition coil module

21.11.05

ENGINE 275.951 in MODEL 230.476

ENGINE 275.981 in MODEL 230.479



P15.12-2042-09

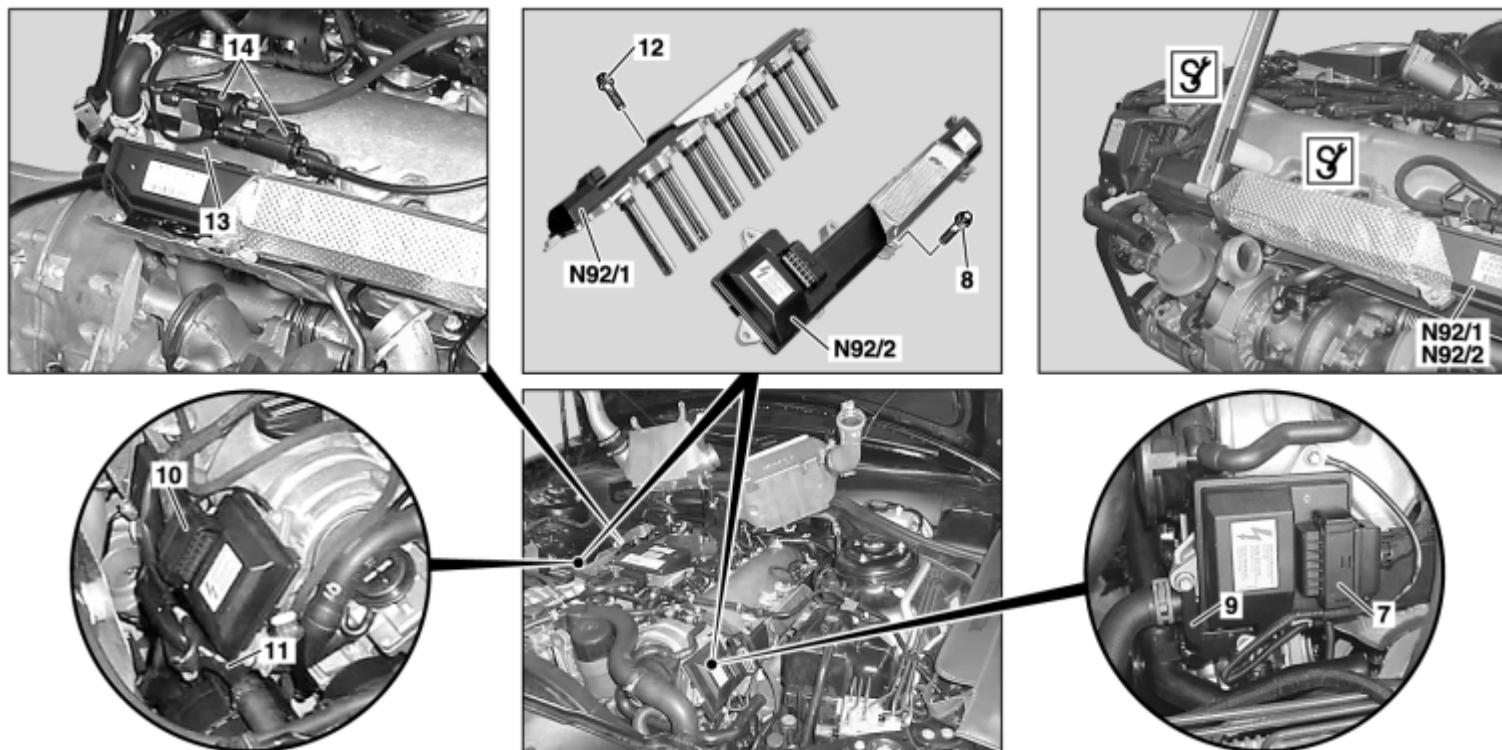
Shown on model 220.176

1 Air filter housing
 2 Intake air duct upstream charge air cooler
 3 Charge air cooler
 3a Connection
 4 Charge air duct downstream of charge

5a Pneumatic line
 5b Pneumatic line
 5c Pneumatic line
 6 Bolts

B28/6 Pressure sensor upstream of throttle valve actuator
 G3/3x1 Connector for left O2 sensor upstream of TWC
 G3/4x1 Connector for right O2 sensor upstream of TWC

air cooler



P15.12-2041-09







Shown on model 220.176








7 Electrical connector
 8 Bolt
 9 Bracket
 10 Electrical connector



11 Bracket
 12 Bolt
 13 Bracket
 14 Switchover valves

N92/1 ECI ignition module, right cylinder bank
 N92/2 ECI ignition module, left cylinder bank

	<p>Remove/install</p>		
Danger!	<p>Risk of death caused by contact with parts conducting high voltages.</p>	<p>Do not touch parts which conduct high voltages. Persons who wear electronic</p>	<p>AS15.10-Z-0001-01A</p>

		implants (e.g. heart pacemakers) must not carry out work on the ignition system	
 Danger!	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.	When moving components, ensure that no body parts or limbs are within the operating range of moving parts.	AS00.00-Z-0011-01A
	Notes on avoiding damage to ignition system		AH15.10-P-0002-01L
1	Remove engine trim panel	Engine 275.951	AR01.10-P-2405LA
		Engine 275.981	AR01.10-P-2405IM
2	Remove left or right air filter housing (1)		AR09.10-P-1150LA
3	Remove left or right charge air duct (2) upstream of charge air cooler (3) on turbocharger		BA09.41-P-1001-02B
4	Remove charge air duct (4) downstream charge air cooler at left or right charge air cooler (3)		AR09.50-P-8680H
5	Slacken left or right charge air cooler (3), to do so unscrew bolts (6)		BA09.41-P-1001-03A
6.1	Remove pneumatic line (5) at charge air cooler (3).	When removing the ECI ignition module, right cylinder bank (N92/1).	
		 Installation: Check pneumatic line (5a) and hose clamp for damage and replace if required.	
7.1	Remove pneumatic line (5c) at charge air cooler (3).	When removing the ECI ignition module, right cylinder bank (N92/1).	
		 Installation: Install new tie straps.	
8.1	Disconnect electrical connector at pressure sensor upstream of throttle valve actuator (B28/6) and remove	When removing the ECI ignition module, right cylinder bank (N92/1).	

		 The pneumatic line (5b) is bonded with the support to charge air cooler (3). This combination must not be separated, otherwise leakage may occur.	
9	Unclip connector of left O2 sensor upstream of TWC (G3/3x1) or connector of right O2 sensor upstream of TWC (G3/4x1) from rear retaining spring at charge air cooler (3)		
10	Fold left or right charge air cooler (3) to the top and hang with hooks onto engine hood	 Close air outlet at turbocharger, otherwise parts could fall in and lead to engine damage.	
		 Installation: Install new O-ring.	
11	Dismount left bracket (9) or right bracket (11)		BA15.12-P-1002-01D
12.1	Remove switchover valve (14) and detach bracket (13)	When removing the ECI ignition module, right cylinder bank (N92/1).	
13	Disconnect electrical connector (7 or 10) from ECI ignition module, left cylinder bank (N92/2) or from ECI ignition module, right cylinder bank (N92/1)		
14	Unscrew bolt (8 or 12) for ECI ignition module, left cylinder bank (N92/2) or for ECI ignition module, right cylinder bank (N92/1)		BA15.12-P-1001-01D
15	Remove ECI ignition module, left cylinder bank (N92/2) or ECI ignition module, right cylinder bank (N92/1) with a special tool	 Position special tool on two points and carefully pry off ECI ignition module, left cylinder bank (N92/2) or ECI ignition module, right cylinder bank (N92/1).	
			285 589 00 34 00

			137 589 00 33 00
16	Install in the reverse order		
17	Read out fault memory and erase if required	STAR DIAGNOSIS diagnosis system	WE58.40-Z-1013-06A
	Connect STAR DIAGNOSIS and read out fault memory		AD00.00-P-2000-04A

Charge air duct

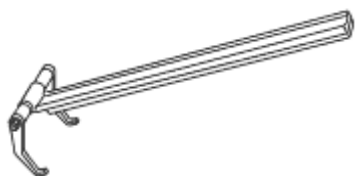
Number	Designation	Engine 275	
BA09.41-P-1001-02B	Bolt, charge air channel before charge air cooler to turbocharger	Nm	8

Charge air cooler

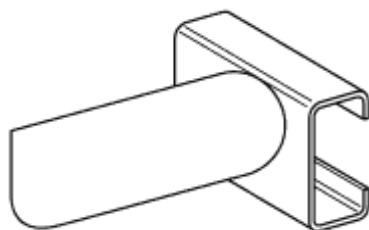
Number	Designation	Engine 275	
BA09.41-P-1001-03A	Bolt, charge air cooler to cylinder head cover	Nm	8

ECI ignition system

Number	Designation	Engine 275	
BA15.12-P-1001-01D	Bolt, ignition coil module to cylinder head	Nm	8
BA15.12-P-1002-01D	Bolt, bracket to ignition coil module	Nm	8



137 589 00 33 00



285 589 00 34 00

Puller

Support

Workshop equipment/MB testers (see Workshop Equipment Manual)

WE58.40-Z-1013-06A	STAR DIAGNOSIS Compact diagnosis system for passenger cars, order number 6511 1801 00
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