

P01.20-2147-09

Shown on engine 272

1	Bracket	6	Ground cable	N3/10	ME-SFI [ME] control unit
1a	Bolts	7	Cylinder head cover	T1/1	Cylinder 1 ignition coil
2	Air shutoff valve	8	Feed duct	T1/2	Cylinder 2 ignition coil
3	Front cover	9	Resonance intake manifold	T1/3	Cylinder 3 ignition coil
4	Cover	10	Engine lifting eye	Y32	Air pump switchover valve
5l	Left control unit bracket	R	Plug connection		
5r	Right control unit bracket				

	Remove/install		
	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
	Notes on avoiding damage to ignition system		AH15.10-P-0002-01V
1	Turn key in ignition lock to position "0"	Vehicles with Keyless Go, code 889: Press Keyless Go start/stop button repeatedly until ignition is switched off.	
2	Remove air filter housing		AR09.10-P-1150GZA
3	Remove bolts (1a) and remove bracket (1) for front engine cover with air pump switchover valve (Y32)		*BA01.30-P-1009-010
4	Remove right air shutoff valve (2)		AR14.30-P-7200GZA
5	Remove front cover (3) on the right cylinder head		AR01.30-P-5700GZC
6	Remove ignition coils for right cylinder bank		AR15.12-P-2003GZA
7	Remove cover (4) on centrifuge		AR01.20-P-2100GZA *BA01.30-P-1008-010
8	Remove connector (R) on ME-SFI [ME] control unit (N3/10)		
9	Disconnect ME-SFI [ME] control unit (N3/10) from left control unit bracket (5l) and right control unit bracket (5r) and place to one side	Do (N3/10) not detach connector on ME-SFI [ME] control unit.	
10	Remove right control unit bracket (5r)		*BA07.08-P-1002-01A
11	Detach ground line (6) from cylinder head cover (7)		*BA01.30-P-1010-010
12	Detach feed line (8) from resonance intake manifold (9), cylinder head cover (7) and right rear motor suspension lug (10)	Place feed channel (8) to one side. 	*BA15.18-P-1001-01B *BA15.18-P-1002-01B

			*BA15.18-P-1003-01B
13	Loosen bolts for cylinder head cover (7) in reverse order of tightening procedure and remove them	Engine 272 Engine 273 	AR01.20-P-5014-03VA AR01.20-P-5014-03SX *BA01.30-P-1004-01O
14	Pry off cylinder head cover (7) from cylinder head carefully Notes on sealant path for cylinder head cover	To avoid damaging sealing surfaces, do not hit the tool for prying off between cylinder head cover (7) and cylinder head. Installation: Apply sealant to cylinder head cover (7). Engine 272 Engine 273 Loctite sealant 5970	AH01.30-P-1000-08V AH01.30-P-1000-08SX *112589002500 *BR00.45-Z-1013-01A
	Clean		
15	Clean sealing surfaces at cylinder head and at cylinder head cover (7)	Do not use any sharp-edged tools or abrasive paper as this will damage the sealing surfaces. Loctite 7200 Cleaning spray, Loctite 7063 (150ml)	AR01.00-P-0050-01A *BR00.45-Z-1038-04A *BR00.45-Z-1046-04A
16	Install in the reverse order		
	Checking		
Danger!	Risk of accident caused by vehicle starting off by itself when engine is running. Risk of injury caused by contusions and burns during starting procedure or when working near the engine as it is running	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
17	Conduct engine test run and check engine for leaks whilst it is running		

Cylinder head

Number	Designation		Engine 272	Engine 273
BA01.30-P-1004-01O	Bolt, cylinder head cover to cylinder head	M7 Stage 1 Nm	12	12
		Stage 2 Δ°	90	90
BA01.30-P-1008-01O	Bolt of centrifuge cover to cylinder head	M6 Nm	9	9
BA01.30-P-1009-01O	Bolt, switchover valve bracket to cylinder head	M6 Nm	9	9
BA01.30-P-1010-01O	Bolt, ground line to cylinder head cover	M6 Nm	9	9

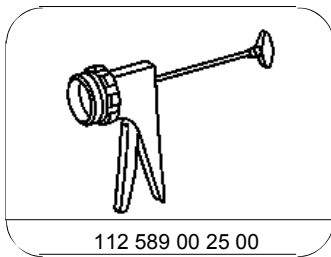
Control unit

Number	Designation		Engine 272	Engine 273
BA07.08-P-1002-01A	Bolt, control unit bracket to resonance intake manifold	Nm	8	8

Engine wiring harness

Number	Designation	Engine 272	Engine 273

BA15.18-P-1001-01B	Bolt, feed duct to resonance intake manifold	Nm	8	8
BA15.18-P-1002-01B	Bolt, feed duct to cylinder head cover	Nm	8	8
BA15.18-P-1003-01B	Bolt, feed duct to engine lifting eye	Nm	8	8



112 589 00 25 00

Squeeze gun

Repair materials

Number	Designation	Order number
BR00.45-Z-1013-01A	Loctite sealant 5970	A 003 989 98 20
BR00.45-Z-1038-04A	Loctite 7200	Henkel Loctite Deutschland GmbH Arabellastrasse 17 81925 München Germany Tel. +49 899268-0 Fax + 49 899101978 www.Loctite.de
BR00.45-Z-1046-04A	Cleaning spray, Loctite 7063 (150ml)	A 001 986 71 71 10