**ENGINE** 

**ENGINE ENGINE** 

**ENGINE** 

ARU9.20-P	'-131UA	Remove/install intake manifold
ENGINE	112.910 in MC	DELS 202.026 /086
ENGINE	112.920 in MC	DELS 202.029 /089
ENGINE		DELS 210.063 /081 /263 /281
ENGINE	112.922 in MC	
ENGINE	112.923 in MC	
ENGINE		DELS 208.365 /465
ENGINE		DDELS 210.065 /082 /265 /282
ENGINE	112.942 in MC	
ENGINE	112.943 in MC	
ENGINE	112.944 in MC	DELS 220.065 /165
ENGINE	113.940 in MC	DELS 210.070 /270
<b>ENGINE</b>	113.941 in MC	DELS 220.070 /170
<b>ENGINE</b>	113.960 in MC	DELS 215.375, 220.075 /175
<b>ENGINE</b>	113.961 in MC	DEL 129.068
<b>ENGINE</b>	113.944 in MC	DELS 202.033 /093
<b>ENGINE</b>	113.942 in MC	DEL 163.172
<b>ENGINE</b>	113.980 in MC	DELS 210.074 /274
<b>ENGINE</b>	113.943 in MC	DELS 208.370 /470
<b>ENGINE</b>	113.984 in MC	DEL 208.374
<b>ENGINE</b>	113.981 in MC	DEL 163.174
<b>ENGINE</b>	112.912 in MC	DELS 203.061 /261, 209.361 /461
<b>ENGINE</b>	112.946 in MC	DELS 203.064 /264
<b>ENGINE</b>	112.947 in MC	DEL 170.465
<b>ENGINE</b>	113.963 in MC	DEL 230.475
ENGINE	113.968 in MC	DELS 209.375 /475
ENGINE	112.913 in MC	
ENGINE	112.949 in MC	DEL 211.065
ENGINE	113.967 in MC	
<b>ENGINE</b>	113.987 in MC	DELS 209.376 /476
ENGINE		DELS 209.365 /465
ENGINE		DELS 203.081 /281
ENGINE		DDELS 203.084 /284
ENGINE	112.970 in MC	
ENGINE		DELS 220.067 /167
ENGINE	112.973 in MC	
ENGINE	113.965 in MC	
ENGINE		DDELS 220.087 /187
ENGINE		DELS 220.083 /183
ENGINE		DDELS 220.084 /184
ENGINE	112.917 in MC	DDELS 211.080 /280

112.954 in MODELS 211.082 /282 113.969 in MODELS 211.083 /283

113.988 in MODELS 203.076 /276 113.989 in MODEL 171.473

2/1 Screw of cylinder head cover6 Combination valve

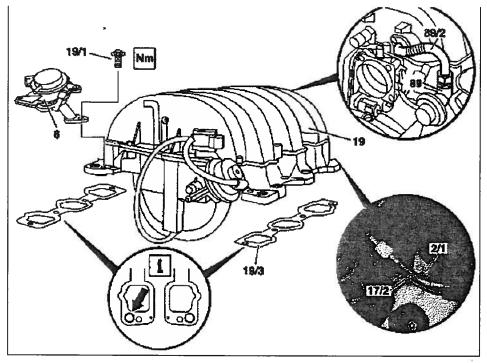
17/2 Feed line 19 Intake manifold

19/1 Bolt 19/3 Seal

89 Exhaust gas recirculation valve

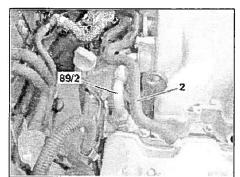
89/2 Cable

Arrow: Hole for combination valve



P09.20-0283-06

2 Crankshaft ventilation hose 89/2 Cable



P09.20-2137-01

XX	Remove/Install		
⚠ Danger!	Risk of explosion caused by fuel igniting, risk of poisoning caused by inhaling and swallowing fuel as well as risk of injury to eyes and skin caused by contact with fuel.	No fire, sparks, open flames or smoking. Pour fuels only into suitable and appropriately marked containers. Wear protective clothing when handling fuel.	AS47.00-Z-0001-01A
1.1	Remove key from electronic ignition switch	i Only for vehicles with electronic ignition switch.	
		i Vehicles with Keyless Go, Code 889:	
		Switch off engine, remove Keyless Go cards out of vehicle and store outside of the transmitter range.	
2.1	Remove cover on front side of engine	i Only models 129, 211, 215, 220, 230	-
3.1	Remove engine trim panel with integrated air filter	The air filter is integrated in the engine cover. Remove engine cover or air filter by pulling vertically up and away from the cylinder head covers.	
3.2	Remove air filter housing	Model 171.473	AR09.10-P-1150AC
		Model 203.076/ 276	
		Model 209.376 /476 as of 24.4.04	

	1	i Installation: Install new gasket	
	combination valve (6) and place aside	Engines 113.988/ 989	
12.2	Loosen right combination valve (6) and left	Only for engine 113.987 as of 24.04.04	
		i Installation: Install new gasket	
		Engines 113.988/ 989	
12.1	Remove combination valve (6)	Except engine 113.987 as of 24.04.04	
		Bolt of intake manifold to cylinder head	*BA09.20-P-1001-01D
	and left combination valve (6)	Engines 113.988/ 989	
11.2	Remove bolts from right combination valve (6)	Only for engine 113.987 as of 24.04.04	
		Nm Bolt of intake manifold to cylinder head	*BA09.20-P-1001-01D
• • • •	2.13516W 3516W (13/1)	Engines 113.988/ 989	
11.1	Unscrew screw (19/1)	to exhaust gas recirculation valve  Except engine 113.987 as of 24.04.04,	
		Mm Union nut of exhaust gas recirculation pipe	*BA14.20-P-1002-01B
-	gas recirculation valve (89)	i Counterhold connection fitting when unscrewing.	
10	Unscrew acorn nut from pipe (89/2) to exhaust	Government of the control of the con	
9	Disconnect electrical connectors	969 /988 /989 with USA version, code 494a	
		Engines 113.948 /963 /966 /984 /967 /	
		except engines 113.948 /963 /966 /984 / 967 /969 /988 /989	
		Engine 113 with USA version, code 494,	AR09.20-P-1310-01AC
		Engine 113.967/ 969	AR09.20-P-1310-01TA
		Engine 113 except 113.967/ 969	AR09.20-P-1310-01AU
		Engines 112.913 /916 /917 /949 /953/ 954 /975 with USA version, code 494	
		953 /954 /975 Engines 113 913 /916 /917 /949 /953/	
		except engines 112.913 /916 /917 /949/	
		Engine 112 with USA version, code 494,	AR09.20-P-1310-01AA
		Engine 112 except 112.913/917/949/954 Engines 112.913/917/949/954	AR09.20-P-1310-01A
		diagram, see: ↓ Engine 112 except 112.913 /917 /949 /954	AR09.20-P-1310-01A
8.1	Disconnect vacuum lines from intake pipe (19)	i Observe intake manifold connection	
		Nm Screw of cylinder head cover	*BA01.20-P-1001-01E
		recirculation valve.	
		loosen the bracket of the exhaust gas	
	line (89/2) and place aside	Remove cylinder head cover bolt (2/1) to	
7.2	Remove crankshaft ventilation hose (2) and	i Only Model 171.473.	
	(2,1)	Nm Screw of cylinder head cover	*BA01.20-P-1001-01E
7.1	Unscrew bolt of cylinder head cover (2/1)	967 /968 /969 /987 /988 /989 Model 230.475 only	
ı		Engines 113.941 /948 /960 /963 /966 /	
		973 /975	
		Engines 112.912 /913 /916 /917 /922 / 944 /946 /947 /949 /953 /954 /955 /972 /	AR07.03-P-1451AA
		980/ 981/ 984	100000
		Engines 113.940/ 942/ 943/ 944/ 961/ 965/	
6	Removing fuel rail with injection valves	Engines 112.910/ 920/ 921/ 923/ 940/ 941/ 942/ 943/ 970	AR07.03-P-1451A
		♥ Pressure hose	*119589046300
70		Nm Disconnect fuel feed line at fuel rail	*BA07.52-P-1001-01A
-	distributor	Release fuel pressure via service valve and collect fuel.	
5	Disconnect the lead line (17/2) at the fuel	Engine 113.942/ 965/ 981	7.1.C07.07-F-1404WV
		Engines 113.943 /944 /980 /984	AR07.07-P-1454MV
		Engines 112.923/ 943	AR07.07-P-1454AG
		Engines 113.968/ 967/ 969/ 987/ 988/ 989	AD07.07.D 44544.0
		949/ 954/ 953/ 955	
		Engines 112.912/ 913/ 916/ 917/ 946/ 947/	AR07.07-P-1454SV
		Engines 113.941/ 948/ 960/ 961/ 963/ 966	
		Engine 113.940 Engines 112.922 /944 /972 /973 /975	AR07.07-P-1454AA
	intake pipe	Engine 113.940	1

	50 of	positioning of intake manifold and for centering the gasket (19/3).  No Bolt of intake manifold to cylinder head  Set of dowel bolts	*BA09.20-P-1001-01D *112589026200
14	Replace gasket (19/3)		
15	Install in the reverse order		

### $\overline{\mbox{\scriptsize Nm}}$ Crankcase ventilation, cylinder head cover

Number	Designation	Engine 112.910/911/ 912/913/914/ 915/916/917/ 920/921/922/ 923/940/941/ 942/943/944/ 945/946/947/ 949/951/953/ 954/955/960/ 961/970/972/ 973/975/976	Engines 113.940/ 941/942/943/ 944/948/960/ 961/962/963/ 964/965/966/ 967/968/969/ 971/980/981/ 982/984/986/ 992	Engine 113.989
BA01.20-P-1001-01E	Screw of cylinder head cover Nr	n 8	10	8

#### Nm Fuel rail

Number	Designation	Engine 112 except 112.945/ 951/960/ 961
BA07.52-P-1001-01A	Disconnect fuel feed line at fuel rail Nm	38

#### Nm Fuel rail

Number	Designation		Engine 113.987	Engines 113.940/941/ 942/943/944/ 945/946/948/ 960/961/962/ 963/964/965/ 966/967/968/ 969/971/980/ 981/982/984/ 986/988	Engine 113.989
BA07.52-P-1001-01A	Fuel feed line to fuel distributor	Nm	38	38	38

Humber	posignation :		112.910/911/ 912/913/914/ 915/916/917/ 920/921/922/ 923/940/941/ 942/943/944/ 945/946/947/ 949/951/953/ 954/955/960/ 961/970/972/ 973/975/976	113.940/941/ 942/943/944/ 945/946/948/ 960/961/962/ 963/964/965/ 966/967/968/ 969/971/980/ 981/982/984/ 986/987/988/ 990/991/992	Engine 110.000
BA09.20-P-1001-01D	Bolt, intake manifold to cylinder head M8	١m	20	20	20

## Nm Exhaust gas recirculation

Number	Designation		Engine 112.910/912/916/ 920/921/922/923/ 940/941/942/943/ 944/945/946/947/ 953/972/975	Engine 112.913/ 917/949/ 954/955/ 970/973	Engines 113.940/941/942/ 943/944/948/960/9 61/962/964/965/96 6/967/968/969/971/ 980/981/982/984/9 87/988	Engine 113.963
BA14.20-P-1002-01B	Acorn nut, exhaust gas recirculation pipe to exhaust gas recirculation valve	Nm	40	40	40	23

# Nm Exhaust gas recirculation

Number	Designation		Engine 113.989
BA14.20-P-1002-01B	Acorn nut, exhaust gas recirculation pipe to exhaust gas recirculation valve	Nm	40

