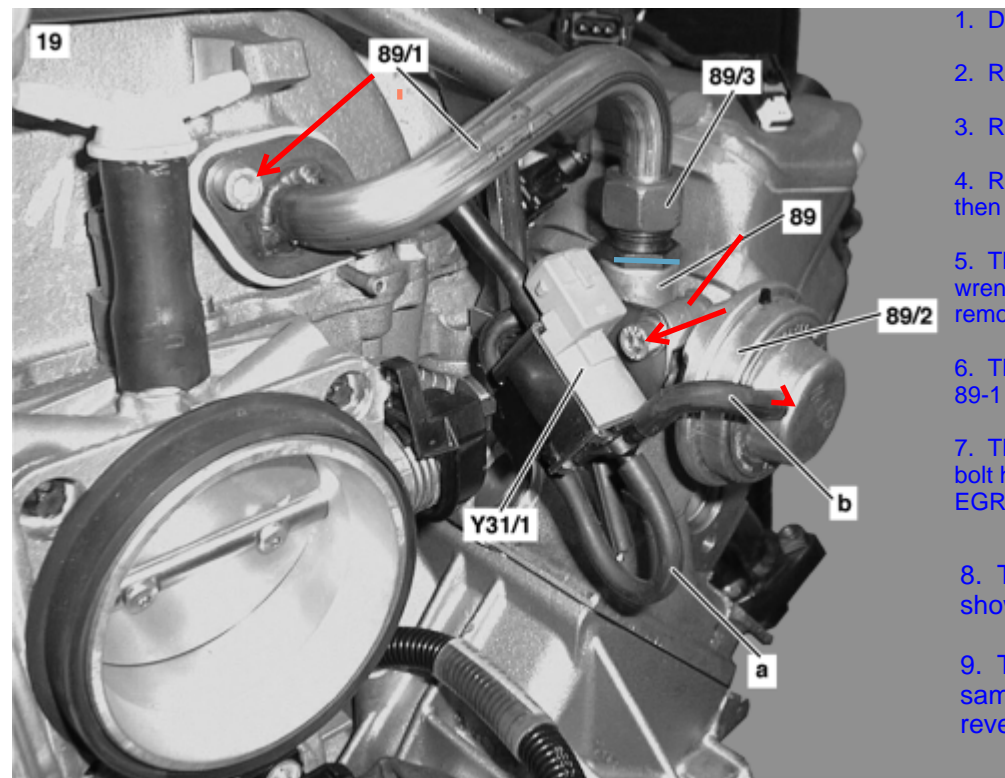


AR14.20-P-7662GH	Remove/install exhaust gas recirculation valve	22.1.98
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ENGINE 112.942 in MODEL 163.154
 ENGINE 113.942 in MODEL 163.172
 ENGINE 113.981 in MODEL 163.174
 ENGINE 112.970 in MODEL 163.157
 ENGINE 113.965 in MODEL 163.175
[Engine 113.964 in model 164.175](#)

19 Intake manifold
 89 Exhaust gas recirculation valve
 89/1 EGR pipe
 89/2 Vacuum unit
 89/3 Union nut
 a Vacuum supply from intake pipe
 b Controlled vacuum from EGR transducer to exhaust gas recirculation valve
 Y31/1 EGR vacuum transducer



To remove the EGR w/o removing the MAF

1. Detach elec. conn. at Y31-1
2. Remove hose b at red dot
3. Remove bolt red arrow w/T30 socket
4. Remove larger bolt in red line area & then push Y31-1 aside for more room
5. Then using a flat-thin 22mm wrench, counter hold green line not & then remove 89-3 nut
6. Then remove the two bolts holding 89-1
7. Then remove the remaining bolt holding the EGR down and remove EGR
8. Then remove remaining hose (not shown) attached to Y31-1
9. To reinstall same or new EGR, the same process should be followed in reverse order

Remove first. Step #4
 Remove last. Step #7

P14.20-0263-06

	Remove/Install		
1	Remove engine trim panel or cleaner	Remove engine trim panel or air	

		cleaner by pulling it vertically up and off the cylinder head covers.	
2	Remove top part of air cleaner	i Only model 163.	
3	<i>Not necessary</i> Remove hot film mass air flow sensor with air intake pipe	Model 163.154 /157.	AR07.07-P-1454A
		Model 163.172/174 /175.&164.175	AR07.07-P-1454MV
4	Unscrew acorn nut (89/3) on exhaust gas recirculation valve (89)	Nm	BA14.20-P-1002-01B
5	Unscrew exhaust gas recirculation pipe (89/1) from intake pipe (19)	Nm	BA14.20-P-1003-01B
6	Unscrew exhaust gas recirculation pipe (89) from cylinder head	Nm	BA14.20-P-1001-01B
7	Disconnect EGR transducer connector (Y31/1)		
8	Remove exhaust gas recirculation valve (89)		
9	Install in the reverse order	i Installation: replace gaskets. Pay attention to length and routing of vacuum pipe from intake pipe to EGR transducer (Y31/1). Incorrect routing may cause throttle lever to jam.	

Nm Exhaust gas recirculation

Number	Designation		Engine 112.942	Engine 112.970	Engines 113.942/965/981
BA14.20-P-1001-01B	Bolt of exhaust gas recirculation valve to cylinder head	Nm	20	20	20
BA14.20-P-1002-01B	Acorn nut of exhaust gas recirculation pipe to exhaust gas recirculation valve	Nm	40	40	40
BA14.20-P-1003-01B	Bolt of exhaust gas recirculation pipe to intake pipe	Nm	9	8	9