

Mercedes 206e (1989)
(KE3-Jetronic Mixture Adjustment)

Test Steps & Condition	Measured voltage (v)			Duty Cycle (calculated from v)			Duty Cycle (multimeter measured)			Notes
	static	min v	max v	@static v	@min v	@max v	static	min	max	
Battery	12.5									measured voltage between positive lead and frame ground. Used for baseline in calculated duty cycles
KOEO										
No system perturbation	1.86			85.1%						California vehicle
See notes										X92 button depress sequence as specified prior to commencing testing
Air flow sensor fully deflected	10.95			12.4%						spec = 10% duty cycle per Landiss doc
Throttle Open Full	9.72			22.2%						spec = 20% duty cycle per Landiss doc
Engine On										
Idle (engine cold)		7.4	8.6		40.8%	31.2%				No Adjustment made to adjusting screw
Idle (~80C)		6.5	6.8		48.0%	45.6%		46%	49%	Turned adjusting screw 1/8th CW to make richer, then realized voltages increased, so turned 1/4 CCW
Engine @2500 RPM (~80C)		6.6	7.2		47.2%	42.4%		50%	55%	No further adjustment made

duty cycle (calculated from v) = $[1 - (v \{pin \#3\} / v \{battery\})] \times 100\%$