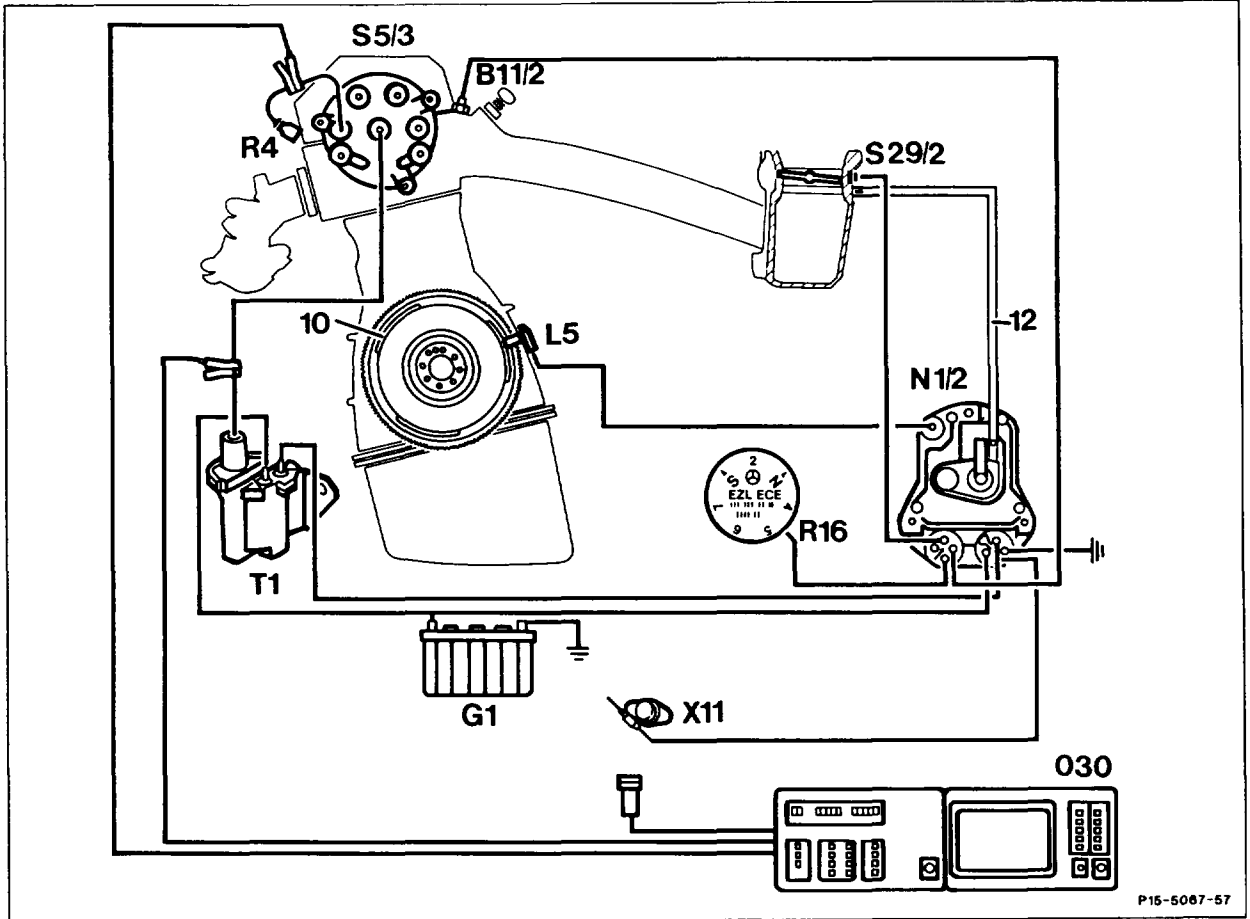


15-0515 Testing ignition timing



P15-5067-57

B11/2	Coolant temperature sensor (EZL/KE, LH), 4-pin	S29/2	Throttle valve switch, full load/idle speed recognition
G1	Battery	T1	Ignition coil
L5	Crankshaft position sensor	X11	Diagnostic socket/terminal block, terminal TD
N1/2	EZL ignition control unit	10	Segments on flywheel/driven plate
R4	Spark plugs	12	Vacuum line
R16	EZL resistance trimming plug	030	Engine tester with oscilloscope
S5/3	High voltage distributor		

Engine tester with oscilloscope (030) connect to diagnostic socket (X11), disconnect.
 Ignition timing test at coolant temperature below 95 °C with or without vacuum at specified engine speed (see table).

EZL ignition timing point

Engine	EZL ignition control unit	Engine speed 1/min	Ignition timing point in ° CA before TDC		
			Resistance trimming plug position or type of fuel	without vacuum	with vacuum

Basic version KAT/RÜF and (CH) (S) KAT

103.940	003 545 95 32	3200	S	25-29	40-44
103.941	003 545 96 32		N	19-23	
103.942	005 545 84 32	idle speed	S and N	7-11	7-11
103.943	005 545 86 32				
	006 545 73 32				
	006 545 75 32				
	008 545 61 32				
	008 545 63 32				
	011 545 88 32				
	011 545 89 32				
103.980	003 545 14 32	3200	1/ leaded premium	23-27	39-43
	003 545 15 32	idle speed		8-13	8-13
		3200	3/ unleaded premium	19-23	39-43
		idle speed		8-13	8-13
103.981	004 545 44 32	3200	S	27-31	40-44
103.983	004 545 46 32		N	21-25	40-44
103.985	005 545 85 32	idle speed	S and N	6-11	6-11
	005 545 87 32				
	006 545 74 32				
	006 545 76 32				
	007 545 86 32				
	007 545 87 32				
	008 545 62 32				
	008 545 64 32				
103.982	004 545 44 32				
	004 545 46 32				
	005 545 85 32				
	005 545 87 32				
	006 545 74 32				
	006 545 76 32				
103.984	007 545 86 32				
	007 545 87 32				

National version (CH) 1986, (S) 1986 1)

103.981	004 545 69 32	3200	S	29-33	40-44
103.983	005 545 49 32		N	23-27	
	005 545 88 32	idle speed	S and N	TDC ± 2	TDC ± 2

1) For (CH) KAT, (S) KAT, same values as basic version KAT.

EZL ignition timing point

Engine	EZL ignition control unit	Engine speed 1/min	Ignition timing point in ° CA before TDC		
			Resistance trimming plug position or type of fuel	without vacuum	with vacuum

National version (AUS)

103.940	005 545 84 32	3200	Reference resistor 220 Ω	19-23	40-44
103.942	005 545 86 32 006 545 73 32 006 545 75 32 008 545 61 32 008 545 63 32	Idle speed		7-11	7-11
103.981	004 545 44 32	3200	Reference resistor 220 Ω	21-25	40-44
103.983	004 545 46 32 005 545 85 32 005 545 87 32 006 545 74 32 006 545 76 32 008 545 62 32 008 545 64 32	Idle speed		6-11	6-11

National version (J)

103.940	005 545 84 32	3200	Reference resistor 750 Ω	25-29	40-44
103.942	005 545 86 32 006 545 73 32 006 545 75 32 008 545 61 32 008 545 63 32	Idle speed		7-11	7-11
103.981	004 545 44 32	3200	Reference resistor 750 Ω	27-31	40-44
103.983	004 545 46 32	Idle speed		6-11	6-11
103.985	005 545 85 32 005 545 87 32 006 545 74 32 006 545 76 32 008 545 62 32 008 545 64 32				

National version (USA)

103.940	005 545 84 32	3200	Reference resistor 750 Ω	25-29	40-44
103.942	005 545 86 32 006 545 73 32 006 545 75 32 008 545 61 32 008 545 63 32 008 545 95 32 009 545 79 32	Idle speed		7-11	7-11
103.981	004 545 44 32	3200	Reference resistor 750 Ω	27-31	40-44
103.983	004 545 46 32 005 545 85 32 005 545 87 32 006 545 74 32 006 545 76 32 008 545 96 32 009 545 80 32	Idle speed		6-11	6-11