

Bosch Part Number	MAKE & MODEL	Used from	Alternate No	Ohms Watts	System Pressure	COLD	COLD	COLD	WARM	WARM With Vac	TURBO Warm with Boost
						10 C	20 C	30 C	NO VAC		
0438140 001	Porsche 911T	6/72	008	16	4.5-5.2	1.4-1.7	1.7-2.2	2.2-2.6		3.4-3.8 (Idle)	
0438140 002	Volvo 140,240,260	3/72	004	18	4.5-5.2	1.0-1.4	1.4-1.8	1.8-2.2	3.4-3.8		
0438140 004	Volvo 240, 740	7/74	014	22	4.5-5.3	1.0-1.45	1.5-1.75	1.85-2.25	3.45-3.75	3.4-3.8	
0438140 005	BMW 318, 320, 323, 520, Volvo 260	7/74		26	4.7-5.4	1.0-1.4	1.4-1.8	1.8-2.2	2.7-3.1	3.4-3.8 @ 0.5 bar	
0438140 008	Porsche 911S (=001)	3/74	071	55	4.5-5.2	1.0-1.45	1.6-2.0	2.2-2.7		3.4-3.8 (Idle)	
0438140 009	Porsche 911S 2.7 911.41/42/44	7/74		35	4.5-5.2	0.4-0.8 1.0-1.4Vac	1.0-1.5 1.6-2.0Vac	1.6-2.1 2.2-2.7Vac	2.7-3.1	3.4-3.8 (Idle)	
0438140 010	Mercedes 450SE,SL,SEL,SLC & 6.9	6/74	061	35	5.2-5.8	0.7-1.1	1.1-1.5	1.5-1.9	2.8-3.2	3.4-3.8	
0438140 011	Audi 100 LS, Porsche 924	5/74	026	22	4.5-5.2	0.9-1.3	1.3-1.7	1.7-2.1	3.4-3.8	N/A	
0438140 012	Volvo 240, 740		004								
0438140 013	SAAB 99	7/74		47	4.5-5.1	0.7-1.5	1.25-1.75	1.75-2.25	3.4-3.8		
0438140 014	Volvo 240 B21E BMW 320i 77-79	6/74	111	26	4.5-5.3	1.0-1.4	1.4-1.8	1.8-2.2	3.4-3.8	N/A	
0438140 015	Mercedes 450SE,SL,SEL,SLC & 6.9	11/74		26	5.0-5.6	1.0-1.4	1.4-1.8	1.8-2.2	2.7-3.0	3.4-3.8	
0438140 016	Porsche 911 Turbo	1/75	022	35	6.0-6.7	0.4-0.8	1.0-1.5	1.6-2.1	2.7-3.1	3.4-3.8 (1800 rpm)	
0438140 017	Porsche Carrera 3.0	1/75	033	35	4.5-5.2	0.6-1.1 1.2-1.6Vac	1.2-1.7 1.7-2.1Vac	1.8-2.3 2.4-2.8Vac	2.7-3.1	3.4-3.8	
0438140 018	Volvo 260 B27E 08.75-07.80 140, 240	2/75	022	26	4.4-5.2	1.0-1.4	1.4-1.8	1.8-2.2	3.0-3.4	3.4-3.8 @ 0.5 bar	
0438140 019	Mercedes 450SE,SL,SEL,SLC & 6.9		010								
0438140 020	SAAB 99, 900	1/76		35	4.5-5.1	0.8-1.3	1.3-1.7	1.7-2.1	3.4-3.8	N/A	
0438140 020	SAAB 900 GLi 09.78-08.82	1/76		35	4.5-5.1	0.4-0.9	1.1-1.4	1.5-1.75	3.4-3.8		
0438140 021	Volvo 140,240,260 74-81, Peugeot 505i '80-83	4/76		22	4.5-5.3	1.0-1.45	1.5-1.75	1.85-2.25	2.7-3.1	3.4-3.8 @ 0.5	
0438140 022	Porsche 911 3.0 Turbo 01.75-09.77	8/75	044	35	6.0-6.7	0.4-0.8	1.0-1.5	1.6-2.1	3.4-3.8		2.5-2.9 @0.33-0.4bar
0438140 023	Porsche	4/76		22							
0438140 026	Audi Fox, Golf, Scirocco, NSU	5/76	142	20	4.5-5.2	0.9-1.3	1.3-1.7	1.7-2.1	3.4-3.8	N/A	
0438140 026	Audi 100LS 75-77	5/76		20	4.5-5.2	0.9-1.3	1.3-1.7	1.7-2.1	3.4-3.8	N/A	

0438140 027				20							
0438140 028	Mercedes 350SL 76-80	1/76		35	5.0-5.6	0.8-1.2	1.2-1.6	1.6-2.0	2.5-2.9	3.4-3.8	
0438140 029	Volvo 140, 240, 260 74-81	3/76		18	4.4-5.2	1.0-1.4	1.4-1.8	1.8-2.2	3.0-3.4	3.4-3.8	
0438140 030	Mercedes 280e, SE, CE. 77-79	3/76		35	5.2-5.8	0.8-1.2	1.2-1.6	1.6-2.0	2.8-3.2	3.4-3.8	
0438140 031	Mercedes 280e, SE, CE. 77-79	3/76		35	3.0-3.4	0.8-1.2	1.2-1.6	1.6-2.0	2.8-3.2	3.4-3.8	
0438140 032	SAAB 99 GLi 77-80	7/76		47	4.5-5.1	1.2-1.5	1.5-2.0	2.0-2.3	3.4-3.8		
0438140 033	Ferrari 308, 400i, Porsche 911S	5/76		26	4.5-5.2	0.6-1.1 1.2-1.6Vac	1.2-1.7 1.7-2.1Vac	1.8-2.3 2.4-2.8Vac	2.7-3.1	3.4-3.8	
0438140 033	Porsche 911 3.0 930.02/12/ 3.3 930.94/99	5/76		26	4.5-5.2	0.6-1.1 1.2-1.6Vac	1.2-1.7 1.7-2.1Vac	1.8-2.3 2.4-2.8Vac	2.7-3.1	3.4-3.8	
0438140 034	Audi 80, 100,	6/76	107	20	4.7-5.4	0.9-1.3	1.3-1.7	1.7-2.1	2.7-3.1	3.4-3.8	
0438140 035	Audi 80, 100,	6/76	120	20							
0438140 036	Porsche 928 05.77-06.80	6/76		22	5.2-5.8	1.2-1.6	1.8-2.2	2.4-2.85	2.8-3.2	3.4-3.8	
0438140 037	BMW 320i 77-79	7/76		26	4.5-5.2	1.2-1.7	1.7-2.2	2.0-2.8	3.4-3.8	4.4-4.9 @ 0.6 bar	
0438140 038	Renault 30 2.7i, Volvo 260, 760, Ford	7/76	143	22	4.4-5.2	0.4-0.75	0.8-1.25	1.25-1.55	3.05-3.35	3.4-3.8 @ 0.5 bar	
0438140 039	Audi, NSU	10/76		20							
0438140 040	Audi, NSU	10/76		20							
0438140 041	Mercedes 280e, SE, CE. 77-79	11/76		35	5.2-5.8	1.15-1.45	1.45-1.85	1.9-2.3	3.0-3.4	3.6-4.0 @0.5-0.55bar	
0438140 042	Mercedes 450SE, SL, SEL, SLC, 6.9 76-79	11/76	060	35	5.2-5.8	0.9-1.4	1.3-1.7	1.7-2.1	3.0-3.4	3.6-4.0 @0.5-0.55bar	
0438140 043	Mercedes 450SE, SL, SEL, SLC, 6.9 76-79	11/76	061	26	5.2-5.8	1.2-1.6	1.6-2.0	2.0-2.4	3.2-3.6	3.6-4.0 @0.5-0.55bar	
0438140 044	Porsche Carrera Turbo 6-77	11/76	016	35	6.0-6.7	0.4-0.8	1.0-1.5	1.6-2.1	2.9-3.3	3.6-4.0 (1800 rpm)	
0438140 045	Porsche 911SC 3.0 930.03/04/05 07.77-01.80	1/77	089	26	4.5-5.2	1.0-1.5 1.6-2.1Vac	1.5-1.9 2.0-2.5Vac	1.9-2.3 2.4-2.8Vac	2.7-3.1	3.2-3.6	
0438140 046	Renault	1/77		26							
0438140 047	Peugeot 504/604 2.7L V6	2/77	038	26							
0438140 048	VW Audi NSU	3/77		22	4.7-5.4	1.2-1.6	1.6-2.0	2.0-2.4	3.4-3.8		
0438140 049	Audi NSU	3/77		22							
0438140 050	Porsche	4/77		35							

0438140 051	SAAB 99 Turbo 900 Turbo '78-80	5/77		47	5.2-5.8	1.1-1.25	1.4-1.7	1.8-2.1	3.4-3.8		2.5-2.9 @0.33-0.4bar
0438140 052	Ford Capri, 2.8L '81-'87 Granada, 2.8L '77-'79	5/77	110	26							
0438140 053	Porsche 928 78-79	7/77		26	5.2-5.8	1.0-1.4	1.6-2.1	2.2-2.7	2.8-3.2	3.4-3.8	
0438140 054	Ferrari 208 GTB/GTS Turbo	8/77		26	6.0-6.7	1.0-1.4	1.6-2.0	2.2-2.7	2.8-3.2	3.4-3.8	
0438140 054	Porsche 911 3.3 Turbo 930.60/61/63	8/77		26	6.0-6.7	1.0-1.4	1.6-2.0	2.2-2.7	3.4-3.8		2.8-3.2 @0.33-0.4bar
0438140 055	Porsche	8/77		26							
0438140 056	Mercedes 450SE, SEL, SL, SLC, 73-80	10/77		30	5.2-5.8	0.8-1.2	1.2-1.6	1.6-2.0	2.8-3.2	3.4-3.8	
0438140 057	Mercedes 280.	10/77	144	26	5.2-5.8	0.7-1.1	1.1-1.5	1.5-1.9	2.8-3.2	3.4-3.8	
0438140 058	Porsche	9/77		26							
0438140 059	Rolls Royce	3/79	093	47/13							
0438140 060	Mercedes 450SE, SL, SEL, SLC, 6.9 76-79	4/78		35	5.2-5.8	1.0-1.4	1.4-1.8	1.8-2.2	2.8-3.2	3.4-3.8	
0438140 061	Mercedes 450SE, SL, SEL, SLC, 6.9 76-79	4/78	134	26	5.2-5.8	1.2-1.6	1.6-2.0	2.0-2.4	2.8-3.2	3.4-3.8	
0438140 062	Porsche 911SC 02.80-06.80 2993cc	5/78		24							
0438140 063	Porsche 924 Turbo '80-82	5/78		24	5.8-6.5	1.3-1.8	1.9-2.4	2.6-3.1	2.8-3.2	3.4-3.8	
0438140 063	Porsche 928 78-79	7/78		24	5.2-5.8	1.2-1.6	1.8-2.2	2.4-2.8	2.8-3.2	3.4-3.8	
0438140 064	Peugeot	7/78		26							
0438140 065	Mercedes 230.	5/79		26	4.8-5.4	0.7-1.1	1.0-1.4	1.3-1.8	3.4-3.8		
0438140 066	Volvo 80-82, De Lorean DMC-12 91-82	12/78		35/37	4.7-5.4	1.4-1.8	2.0-2.4	2.6-3.0	2.8-3.2	3.4-3.8	
0438140 067	Mercedes 280E, CE, SE, '80, 280E, CE '81	1/79		26	4.7-5.4	1.0-1.4	1.4-1.8	1.8-2.2	2.8-3.2	3.4-3.8	
0438140 068	Mercedes 450 '80, 380 '81-83	1/79	101	22	4.7-5.4	1.4-1.8	1.8-2.2	2.2-2.6	3.4-3.8	1.4-1.8	
0438140 069	Porsche 911SC 3.0 02.80-06.80	1/79		35	4.5-5.2	1.2-1.6Vac	1.8-2.2Vac	2.4-2.8Vac	2.7-3.1	3.2-3.6	
0438140 070	SAAB 99 & 900 Turbo 09.79-08.80	2/79		35	5.2-5.8	1.1-1.25	1.4-1.7	1.8-2.1	3.4-3.8		2.5-2.9 @0.33-0.4bar
0438140 071	BMW 320i 80-83	3/79	127	22	4.5-5.2	1.3-1.7	1.8-2.3	2.4-2.9	3.3-3.7		
0438140 072	Porsche 911SC '80-83	2/79		10/26	4.5-5.2	1.5-2.0	2.2-2.6	2.6-3.1	3.4-3.8		
0438140 073	Audi	6/79	137	20							
0438140 074	Audi	6/79	118	20							
0438140 075	Audi 200, Quattro WJ/WS/KJ 2.2L '80-'91	5/79		20	5.2-5.8	1.1-1.25	1.4-1.7	1.8-2.1	3.4-3.8		2.65-2.95 @ 0.45bar
0438140 076	Audi 200, Quattro WJ/WS/KJ 2.2L '80-'92	5/79		20	5.2-5.8	1.1-1.25	1.4-1.7	1.8-2.1	3.4-3.8		
0438140 078	Renault	7/79		20							

0438140 079	Volvo DL, GLT, GL '81-82, GLT TURBO '83 B21F	1/80	123	14	4.5-5.3	1.2-1.5	1.8-2.1	2.5-2.6	2.8-3.2	3.4-3.8	
0438140 080	Volvo B21	12/79									
0438140 082	Volvo 240 Turbo 81-86 B21E	1/80	117	18	5.1-5.8	1.0-1.3	1.4-1.7	1.8-2.2	3.45-3.75		2.65-2.95 @ 0.45bar
0438140 083	Ferrari 308GTBi & GTSi 80-83	11/79	108	26	5.0-5.6	1.6-2.1	2.0-2.4	2.5-2.9	2.5-2.9	3.4-3.8	
0438140 084	SAAB 99 Turbo.900 Turbo '78-83	11/79	136	47	5.1-5.8	1.4-1.8	1.9-2.4	2.6-3.1	3.4-3.8		
0438140 085	SAAB 900 Turbo 09.80-08-83	1/80		26	5.1-5.8	1.1-1.25	1.4-1.7	1.8-2.1	3.4-3.8		2.4-2.8 @0.45bar
0438140 086	Porsche 928S 07.79-07.83 4664cc	4/80		24/70	5.2-5.8	1.2-1.6	1.8-2.2	2.4-2.85	2.8-3.2	3.4-3.8	
0438140 087	Porsche 928S 07.80-07.82 4474cc	4/80		41.5/70	5.2-5.8	1.2-1.6	1.8-2.2	2.4-2.85	2.8-3.2	3.4-3.8	
0438140 088	Porsche 924, Rolls Royce Corniche, Silver Spirit/Spur	2/80		13.5/26							
0438140 089	Porsche 911SC 3.0 930.10/09/19 01.80-07.83	2/80	045	6W	4.5-5.2	1.0-1.5 1.6-2.1Vac	1.5-1.9 2.0-2.5Vac	1.9-2.3 2.4-2.8Vac	2.7-3.1	3.2-3.6	
0438140 090	Porsche 911SC 80-83	2/80		20W	4.5-5.2	0.9-1.3	1.4-1.9	2.1-2.6	2.8-3.2	3.4-3.8	
0438140 091	Porsche 924Turbo '80-82	2/80		20W	5.8-6.5	0.7-1.2	1.3-1.8	1.9-2.4	2.8-3.2	3.4-3.8	
0438140 092	Renault 30TX	7/80									
0438140 093	Bentley '81-86, Rolls Royce Corniche '81-84	7/80	059	16W							
0438140 094	VW AUDI	4/80		11W	4.7-5.4	0.9-1.3	1.3-1.7	1.7-2.1	3.4-3.8	1.4-1.8	
0438140 095	Audi 5000 USA, Japan	4/80		11W							
0438140 096	Peugeot 505i 80-83	4/80	128	7.6W	4.7-5.4	1.4-1.8	1.9-2.4	2.5-3.0	2.8-3.2	3.4-3.8	
0438140 097	Mercedes 230e Japan	8/80		11W							
0438140 098	Porsche 924 Turbo	6/80		8W							
0438140 099	Volvo 760 B28F 86-87	11/85		11W							
0438140 100	Mercedes 230E, TE (W123) 81-86	8/80		7.5W	4.8-5.4	0.75-1.1	1.0-1.4	1.4-1.7	2.8-3.2		
0438140 101	Mercedes 380SE, SEL, SEC, SL, 81-86	12/80	151	7.5W	4.7-5.4	1.4-1.8	1.8-2.2	2.2-2.6	3.4-3.8	1.4-1.8	
0438140 102	SAAB 900 Turbo (with knock control)	1/81		7.5W							
0438140 103	Mercedes	3/81		5W	5.2-5.8	0.7-1.0	1.0-1.4	1.4-1.7	2.8-3.2	3.4-3.8	
0438140 104	Peugeot 505 05.81-05.83	3/81	141	24-7.5W		1.0-1.5			2.5-2.9	3.4-3.8	
0438140 105	Ferrari 512iBB F110A 4.9L 82-84	3/81		8W							
0438140 106	BMW 318/320/323 75-83 520i	6/81		5W	4.7-5.4	1.0-1.4	1.4-1.8	1.8-2.2	2.5-2.9	3.55-3.95	
0438140 107	BMW 323i	6/81	140	6W	4.7-5.4	1.0-1.4	1.4-1.8	1.8-2.2	2.7-3.1	3.4-3.8	

0438140 108	Ferrari Mondial 8 GTB GTS	10/81	083	7W	5.0-5.6	1.6-2.1	2.0-2.4	2.5-2.9	2.5-2.9	3.4-3.8	
0438140 110	Ford XR4, 2.3L	2/82	122	9W							
0438140 111	SAAB 900 GLi 09.82-08.83	10/81	004	22-6W	4.9-5.1	1.0-1.45	1.5-1.75	1.85-2.25	3.4-3.8		
0438140 112	Porsche 911 3.3 Turbo 930.66 82-88		054	5.5W	6.0-6.7	1.0-1.4	1.6-2.0	2.2-2.7	3.4-3.8		2.65-2.95 @ 0.45bar
0438140 113	Audi 80, 100 2.0L, 2.2L	4/82	034	6W	4.7-5.4		1.3-1.8		2.9-3.3	3.4-3.8	
0438140 114	Audi VW	4/82		6W							
0438140 116	Ferrari 308, 328, Quattrovalvole, Mondial	4/82	108	7W							
0438140 117	Volvo B19ET	4/82	082	8W	5.1-5.8	1.0-1.3	1.4-1.7	1.8-2.2	3.45-3.75		
0438140 118	VW Golf Gti Scirocco =011	5/82	073	6W							
0438140 119	VW Golf Gti Scirocco = 118	5/82	118	6W							
0438140 120	AUDI 80, 100	7/82	035	6W							
0438140 121	AUDI 100CD 2144cc 08.82-07.84 (E)	7/82	120	6W							
0438140 122	Ford Sierra XR4 2.8L	7/82	052								
0438140 123	Volvo B21FT	9/82	079	10W	4.5-5.3	1.2-1.5	1.8-2.1	2.5-2.6	2.8-3.2	3.4-3.8	
0438140 124	AUDI 200T KJ/JY 2144cc 08.83-09.86	10/82	079	8W	4.5-5.3	1.2-1.5	1.8-2.1	2.5-2.6	2.8-3.2	3.4-3.8	
0438140 125	AUDI 200T KJ/JY 2144cc 08.83-09.86 (E)	10/82	124	8W							
0438140 128	Volvo B21FT B28F	3/83	096	14W	4.7-5.4	1.4-1.8	1.9-2.4	2.5-3.0	2.8-3.2	3.4-3.8	
0438140 129	Porsche 911T 81- (=008)	3/83	071		4.5-5.2	1.3-1.7	1.8-2.3	2.4-2.9	3.3-3.7		
0438140 130	Audi 5000, VW Quantum	4/83		10W							
0438140 131	Audi 5000, VW Quantum	4/83	130	10W							
0438140 132	Ferrari 308 GTB 3.0L US	7/83	128	11W							
0438140 133	Renault 2.8L	5/83	078	8W							
0438140 134	Mercedes 500 W107 '80-85 W126 '79-85	6/83	010	5W		1.2-1.6Vac	1.6-2.0Vac	2.0-2.4Vac	3.2-3.6	3.6-4.0 @ 0.5-0.55bar	
0438140 136	SAAB 900i 85-87	7/83	084	10W							
0438140 137	Ford Escort XR3i	8/85	073								
0438140 138	Audi 200 2.2L KV/HZ 84-85 Audi 90-100 KV/HZ 2.2L '84-'91	1/84	114	6W							
0438140 139	Audi 200 2.2L KV/HZ 84-85 Audi 90-100 KV/HZ 2.2L '84-'91	1/84	138	6W							
0438140 140	Audi VW Scirocco 16V	2/84	034	6W							
0438140 141	Audi VW Scirocco 16V	2/84	104	6W							
0438140 142	Mercedes 230ECE	4/84	026	8W							

