



















change to	 ECE (A)	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
	 US Models	Version	ECE - Models with Mechanical transmission				
	 Japanese Models	Model	628 CS i	630 CS	633 CS i	635 CS i	M 6
Technical Data	- Fuel System	Unit					
13 00... Carburetor Survey							
Type			-	DVG (Solex)	-	-	-
Designation			-	4 A 1	-	-	-
Code number on data plate			-	1 263 779	-	-	-
Color of data plate			-	green	-	-	-
Auxiliary starting system			-	TN - Starter	-	-	-
13 11 ... Carburetor Settings							
	setting of throttle adjuster						
Gap at throttle lever	stage I	mm	-	2,9 ± 0,2	-	-	-
Choke valve gap	stage I	mm	-	3,2 / 4,2 ± 0,2	-	-	-
Throttle valve gap	stage II	mm	-	0,3 ... 0,8	-	-	-
Fuel level measured in center		mm	-	7 ± 1	-	-	-
Injection rate per stroke		cm ³	-	0,7 ± 0,1	-	-	-
TN - Starter at coolant temperature of 20°C	Gap A	mm	-	2,2 + 0,2	-	-	-
13 11 ... Carburetor Jets							
Venturi - Ø	stage I	mm	-	20	-	-	-
Main Jet	stage I		-	X 97,5	-	-	-
Jet needle	stage II		-	B 3	-	-	-
Air correction jet	stage I		-	2,1 H7	-	-	-
	stage II		-	3,7 H7	-	-	-
Idle Jet	stage I		-	42,5	-	-	-
Idle air Jet	stage I		-	120	-	-	-
Enrichment jet needle			-	Nr. 1	-	-	-
Float needle valve - Ø		mm	-	3	-	-	-
Choke cover code			-	80	-	-	-
13 11 ... Idle Cut-off Valve							
Make			-	Pierburg	-	-	-
No. / jet size			-	PE 20 273	-	-	-
Nominal voltage		V	-	12	-	-	-
Max. permissible voltage		V	-	16,5	-	-	-
Max. current draw at 12V		A	-	0,13	-	-	-




change to	 ECE (A)	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
	 US Models	Version	ECE - Models with Mechanical transmission				
	 Japanese Models	Model	628 CS i	630 CS	633 CS i	635 CS i	M 6
Technical Data - Fuel System		Unit					
13 11 ... Delayed Action Valve							
Make			-	Marvel-Schebler	-	-	-
Type or no.			-	219 - 679 A	-	-	-
13 11 ... Temperature Time Valve							
Make			-	Pierburg	-	-	-
Type or no.			-	PE 20 258	-	-	-
Nominal Voltage		V	-	12	-	-	-
Operating Voltage		V	-	16,5	-	-	-
Resistance		Ω	-	6,5 ± 4	-	-	-
	at	°C	-	0 000 025	-	-	-
13 31 ... Mechanical Fuel Pump							
refer to Group 16 for electric fuel pump							
Make			-	Pierburg	-	-	-
Type or no.			-	PE 20 266	-	-	-
Delivery pressure		bar	-	0,21 ... 0,30	-	-	-
Min. delivery rate		l / h	-	60	-	-	-
	at engine speed	l / min	-	4000	-	-	-
Pump plunger length		mm	-	107,2 ± 0,1	-	-	-
Insulating flange with gasket		mm	-	20	-	-	-
13 31 ... Fuel Return Flow Valve							
Make			-	Pierburg	-	-	-
Type or no.			-	PE 20 265	-	-	-




change to	 ECE (A)	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
	 US Models	Version	ECE - Models with Mechanical transmission				
	 Japanese Models	Model	628 CS i	630 CS	633 CS i	635 CS i	M 6
Technical Data - Fuel System		Unit					
13 00 ... Fuel Injector							
Mixture Control Unit							
System L-Jetronic with Air Flow Sensor			x	-	x	x	x
Idle Speed			850 ... 950	-	850 ... 950		
13 53 ... Pressure Regulator							
Part No.			0 280 160 213	-	0 280 160 206	0 280 160 014	0 280 160 226
> 9.77			-	-	0 280 160 014	-	-
> 9.81			-	-	-	0 280 160 214	-
< 9.82			0 280 160 014	-	-	-	-
> 9.82			0 280 160 226	-	0 280 160 226		-
> 9.86			-	-	-	0 280 160 249	
Ⓢ			0 280 160 014	-	-	-	-
13 61 ... Control Units							
Part No.			0 280 001 108	-	0 280 001 103	0 280 001 114	-
Coasting shut-off speed 1 / min			3000 ± 50	-	-	-	-
Governor speed 1 / min			-	-	-	-	-
Color of data plate			green	-	black / green	yellow	-
> 9.81			0 280 001 300	-	-	-	-
Coasting shut-off speed 1 / min			1250 ± 50	-	-	-	-
Governor speed 1 / min			-	-	-	-	-
Color of data plate			geen	-	-	-	-
> 9.84			0 280 001 310	-	-	-	-
Coasting shut-off speed 1 / min			1000 ± 50	-	-	-	-
Governor speed 1 / min			6400 ± 150	-	-	-	-
Color of data plate			green	-	-	-	-




change to	 ECE (A)	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
	 US Models	Version	ECE - Models with Mechanical transmission				
	 Japanese Models	Model	628 CS i	630 CS	633 CS i	635 CS i	M 6
Technical Data	- Fuel System	Unit					
13 62 ... Control Units Digital Motor Electronics							
Code No.			-	-	-	0 261 200 002	0 261 200 055
	Coasting shut-off speed	1 / min	-	-	-	1200 ± 50	1400 ± 50
	Governor speed	1 / min	-	-	-	6200 ± 80	6800 ± 80
	Color of data plate		-	-	-	white	blue
with catalytic converter			-	-	-	-	0 261 200 079
> 9.82			-	-	-	0 261 200 011	-
	Coasting shut-off speed	1 / min	-	-	-	1000 ± 50	-
	Governor speed	1 / min	-	-	-	6200 ± 80	-
	Color of data plate		-	-	-	green	-
> 9.83			-	-	-	0 261 200 018	-
	Coasting shut-off speed	1 / min	-	-	-	1100 ± 50	-
	Governor speed	1 / min	-	-	-	6200 ± 80	-
	Color of data plate		-	-	-	white	-
> 9.84			-	-	-	0 261 200 061	-
	Coasting shut-off speed	1 / min	-	-	-	960 ± 50	-
	Governor speed	1 / min	-	-	-	6400 ± 80	-
	Color of data plate		-	-	-	light red	-
catalytic converter > 9.84			-	-	-	0 261 200 059	-
	Coasting shut-off speed	1 / min	-	-	-	960 ± 50	-
	Governor speed	1 / min	-	-	-	6400 ± 80	-
	Color of data plate		-	-	-	violet	-
Safety Car > 9.84			-	-	-	0 261 200 064	-
	Coasting shut-off speed	1 / min	-	-	-	960 ± 50	-
	Governor speed	1 / min	-	-	-	6200 ± 80	-
	Color of data plate		-	-	-	black	-
> 9.86			-	-	-	0 261 200 150	-
	Color of data plate		-	-	-	green	-
> ???			-	-	-	0 261 200 178	-
	Color of data plate		-	-	-	-	-





change to	 ECE (A)	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
	 US Models	Version	ECE - Models with Mechanical transmission				
	 Japanese Models	Model	628 CS i	630 CS	633 CS i	635 CS i	M 6
Technical Data - Fuel System		Unit					
13 62 ... Air Flow Sensor							
Code No.			0 280 203 002	-		0 280 203 002	0 280 203 025
	Color Code		green	-		green	-
< 9.80			-	-		0 280 203 010	-
	Color Code		-	-		-	-
> 4.81			0 280 202 025	-		-	-
	Color Code		-	-		-	-
< 9.82			-	-		0 280 203 013	-
	Color Code		-	-		black	-
> 9.82			-	-		0 280 203 018	-
	Color Code		-	-		black	-
> 9.84			-	-		-	0 208 203 027
	Color Code		-	-		-	fire red
13 62 ... Temperature Switch							
Code No.			0 280 130 214	-		0 280 130 214	
	Version	°C / sec.	35 / 8	-		35 / 8	
	Resistance Value between "G" and Ground						
	< 30°C	O	25 ... 40	-		25 ... 40	
	> 40°C	O	50 ... 80	-		50 ... 80	
Code No.			0 280 130 219	-		0 280 130 219	-
	Version	°C / sec.	15 / 8	-		15 / 8	-
	Resistance Value between "G" and Ground						
	< 10°C	O	50 ... 70	-		25 ... 40	-
	> 20°C	O	50 ... 70	-		50 ... 80	-
13 62 ... Coolant Temperature Sensor							
Code No.			0 280 130 023	-		0 280 130 023	-
Test value	at - 10°C ± 1	kO	7 ... 11,6	-		7 ... 11,6	-
	at + 20°C ± 1	kO	2,1 ... 2,9	-		2,1 ... 2,9	-
	at + 80°C ± 1	kO	0,2 ... 0,4	-		0,2 ... 0,4	-
Code No.			-	-		-	0 280 130 026
> 9.82 Test value	at - 10°C ± 1	kO	-	-		-	8,2 ... 10,5
	at + 20°C ± 1	kO	-	-		-	2,2 ... 2,7
	at + 80°C ± 1	kO	-	-		-	0,3 ... 0,36




change to	 ECE (A)	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
	 US Models	Version	ECE - Models with Mechanical transmission				
	 Japanese Models	Model	628 CS i	630 CS	633 CS i	635 CS i	M 6
Technical Data - Fuel System		Unit					
13 63 ... Throttle Bypass Valve							
Code No.			0 280 140 124	-	0 280 140 133	0 280 140 124	0 280 140 125
	Permissible Activating Time at 20°C	min	1,5...(2,8)...3,5	-	2,5...(4,0)...5,5	1,5...(2,8)...3,5	2,0...(4,0)...4,5
> 4.81			0 280 140 133	-	-	-	-
	Permissible Activating Time at 20°C	min	2,5...(4,0)...5,5	-	-	-	-
< 9.82			-	-	-	0 280 140 133	-
	Permissible Activating Time at 20°C	min	-	-	-	2,5...(4,0)...5,5	-
> 9.82			-	-	0 280 140 152		-
	Permissible Activating Time at 20°C	min	-	-	2,5...(3,5)...4,5		-
13 64 ... Fuel Injectors							
Code No.			-	-	-	0 280 150 714	0 280 150 201
Flow rate	stat.	ca. cm ³ /min	-	-	-	220	235
Test pressure	(leak rate: 1 drop / min)		bar	-	-	3,0 ± 0,05	
Coil resistance	at +20°C		Ω	-	-	15 ... 17,5	2 ... 3
Color code of plug connector				-	-	yellow	grey
Spray angle	approx.		°	-	-	30	
13 64 ... Cold Start Valve							
Code No.			0 280 170 032	-	0 280 170 032		
Spray angle	approx.		°	80	-	80	
Flow rate	at 3,0 bar		cm ³ /min	93 ± 12%	-	93 ± 12%	
	at 2,5 bar		cm ³ /min	85 ± 12%	-	85 ± 12%	
Leak rate	at 3,0 bar		cm ³ /min	0,3	-	0,3	
Coil resistance	at 20°C		Ω	3 ... 5	-	3 ... 5	




change to	 ECE	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
	 US Models	Version	ECE - Models with Automatic transmission				
	 Japanese Models	Model	628 CS i A	630 CS A	633 CS i A	633 CS i A (S)	635 CS i A
Technical Data	- Fuel System	Unit					
13 00... Carburetor Survey							
Type			-	DVG (Solex)		-	-
Designation			-	4 A 1		-	-
Code number on data plate			-	1 263 779		-	-
Color of data plate			-	green		-	-
Auxiliary starting system			-	TN - Starter		-	-
13 11 ... Carburetor Settings							
setting of throttle adjuster							
Gap at throttle lever	stage I	mm	-	2,9 ± 0,2		-	-
Choke valve gap	stage I	mm	-	3,2 / 4,2 ± 0,2		-	-
Throttle valve gap	stage II	mm	-	0,3 ... 0,8		-	-
Fuel level measured in center		mm	-	7 ± 1		-	-
Injection rate per stroke		cm ³	-	0,7 ± 0,1		-	-
TN - Starter at coolant temperature of 20°C	Gap A	mm	-	2,2 + 0,2		-	-
13 11 ... Carburetor Jets							
Venturi - Ø	stage I	mm	-	20		-	-
Main Jet	stage I		-	X 97,5		-	-
Jet needle	stage II		-	B 3		-	-
Air correction jet	stage I		-	2,1 H7		-	-
	stage II		-	3,7 H7		-	-
Idle Jet	stage I		-	42,5		-	-
Idle air Jet	stage I		-	120		-	-
Enrichment jet needle			-	Nr. 1		-	-
Float needle valve - Ø		mm	-	3		-	-
Choke cover code			-	80		-	-
13 11 ... Idle Cut-off Valve							
Make			-	Pierburg		-	-
No. / jet size			-	PE 20 273		-	-
Nominal voltage		V	-	12		-	-
Max. permissible voltage		V	-	16,5		-	-
Max. current draw at 12V		A	-	0,13		-	-




change to	 ECE	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
	 US Models	Version	ECE - Models with Automatic transmission				
	 Japanese Models	Model	628 CS i A	630 CS A	633 CS i A	633 CS i A (S)	635 CS i A
Technical Data - Fuel System		Unit					
13 11 ... Delayed Action Valve							
Make			-	Marvel-Schebler		-	-
Type or no.			-	219 - 679 A		-	-
13 11 ... Temperature Time Valve							
Make			-	Pierburg		-	-
Type or no.			-	PE 20 258		-	-
Nominal Voltage	V		-	12		-	-
Operating Voltage	V		-	16,5		-	-
Resistance	Ω		-	6,5 ± 4		-	-
	at	°C	-	0 000 025		-	-
13 31 ... Mechanical Fuel Pump							
refer to Group 16 for electric fuel pump							
Make			-	Pierburg		-	-
Type or no.			-	PE 20 266		-	-
Delivery pressure	bar		-	0,21 ... 0,30		-	-
Min. delivery rate	l / h		-	60		-	-
	at engine speed	l / min	-	4000		-	-
Pump plunger length	mm		-	107,2 ± 0,1		-	-
Insulating flange with gasket	mm		-	20		-	-
13 31 ... Fuel Return Flow Valve							
Make			-	Pierburg		-	-
Type or no.			-	PE 20 265		-	-




change to	 ECE	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
	 US Models	Version	ECE - Models with Automatic transmission				
	 Japanese Models	Model	628 CS i A	630 CS A	633 CS i A	633 CS i A (S)	635 CS i A
Technical Data - Fuel System		Unit					
13 00 ... Fuel Injector							
Mixture Control Unit							
System L-Jetronic with Air Flow Sensor			x	-		x	x
Idle Speed			850 ... 950	-		850 ... 950	
13 53 ... Pressure Regulator							
Part No.			0 280 160 213	-		0 280 160 206	0 280 160 014
> 9.77			-	-		0 280 160 014	-
> 9.81			-	-		-	0 280 160 214
< 9.82			0 280 160 014	-		-	-
> 9.82			0 280 160 226	-		0 280 160 226	
> 9.86			-	-		-	0 280 160 249
(S)			0 280 160 014	-		-	-
13 61 ... Control Units							
Part No.			0 280 001 108	-		0 280 001 103	0 280 001 114
Coasting shut-off speed 1 / min			3000 ± 50	-		-	-
Governor speed 1 / min			-	-		-	-
Color of data plate			green	-		black / green	yellow
> 9.81			0 280 001 300	-		-	-
Coasting shut-off speed 1 / min			1250 ± 50	-		-	-
Governor speed 1 / min			-	-		-	-
Color of data plate			geen	-		-	-
> 9.84			0 280 001 310	-		-	-
Coasting shut-off speed 1 / min			1000 ± 50	-		-	-
Governor speed 1 / min			6400 ± 150	-		-	-
Color of data plate			green	-		-	-




change to	 ECE	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
	 US Models	Version	ECE - Models with Automatic transmission				
	 Japanese Models	Model	628 CS i A	630 CS A	633 CS i A	633 CS i A 	635 CS i A
Technical Data	- Fuel System	Unit					
13 62 ... Control Units Digital Motor Electronics							
Code No.			-	-	-	-	0 261 200 002
	Coasting shut-off speed	1 / min	-	-	-	-	1200 ± 50
	Governor speed	1 / min	-	-	-	-	6200 ± 80
	Color of data plate		-	-	-	-	white
with catalytic converter			-	-	-	-	-
> 9.82			-	-	-	-	0 261 200 011
	Coasting shut-off speed	1 / min	-	-	-	-	1000 ± 50
	Governor speed	1 / min	-	-	-	-	6200 ± 80
	Color of data plate		-	-	-	-	green
> 9.83			-	-	-	-	0 261 200 018
	Coasting shut-off speed	1 / min	-	-	-	-	1100 ± 50
	Governor speed	1 / min	-	-	-	-	6200 ± 80
	Color of data plate		-	-	-	-	white
> 9.84			-	-	-	-	0 261 200 061
	Coasting shut-off speed	1 / min	-	-	-	-	960 ± 50
	Governor speed	1 / min	-	-	-	-	6400 ± 80
	Color of data plate		-	-	-	-	light red
catalytic converter > 9.84			-	-	-	-	0 261 200 059
	Coasting shut-off speed	1 / min	-	-	-	-	960 ± 50
	Governor speed	1 / min	-	-	-	-	6400 ± 80
	Color of data plate		-	-	-	-	violet
Safety Car > 9.84			-	-	-	-	0 261 200 064
	Coasting shut-off speed	1 / min	-	-	-	-	960 ± 50
	Governor speed	1 / min	-	-	-	-	6200 ± 80
	Color of data plate		-	-	-	-	black
> 9.86			-	-	-	-	0 261 200 150
	Color of data plate		-	-	-	-	green
> ???			-	-	-	-	0 261 200 178
	Color of data plate		-	-	-	-	-




change to	 ECE	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
	 US Models	Version	ECE - Models with Automatic transmission				
	 Japanese Models	Model	628 CS i A	630 CS A	633 CS i A	633 CS i A (S)	635 CS i A
Technical Data - Fuel System		Unit					
13 62 ... Air Flow Sensor							
Code No.			0 280 203 002	-	0 280 203 002		
Color Code			green	-	green		
< 9.80			-	-	0 280 203 010		-
Color Code			-	-	-		-
> 4.81			0 280 202 025	-	-		-
Color Code			-	-	-		-
< 9.82			-	-	0 280 203 013		
Color Code			-	-	black		
> 9.82			-	-	0 280 203 018		-
Color Code			-	-	black		-
> 9.84			-	-	-		0 208 203 027
Color Code			-	-	-		fire red
13 62 ... Temperature Switch							
Code No.			0 280 130 214	-	0 280 130 214		
Version °C / sec.			35 / 8	-	35 / 8		
Resistance Value between "G" and Ground							
< 30°C O			25 ... 40	-	25 ... 40		
> 40°C O			50 ... 80	-	50 ... 80		
Code No.			0 280 130 219	-	0 280 130 219		
Version °C / sec.			15 / 8	-	15 / 8		
Resistance Value between "G" and Ground							
< 10°C O			50 ... 70	-	25 ... 40		
> 20°C O			50 ... 70	-	50 ... 80		
13 62 ... Coolant Temperature Sensor							
Code No.			0 280 130 023	-	0 280 130 023		
Test value							
at - 10°C ± 1 kO			7 ... 11,6	-	7 ... 11,6		
at + 20°C ± 1 kO			2,1 ... 2,9	-	2,1 ... 2,9		
at + 80°C ± 1 kO			0,2 ... 0,4	-	0,2 ... 0,4		
Code No.			-	-	-		0 280 130 026
> 9.82 Test value							
at - 10°C ± 1 kO			-	-	-		8,2 ... 10,5
at + 20°C ± 1 kO			-	-	-		2,2 ... 2,7
at + 80°C ± 1 kO			-	-	-		0,3 ... 0,36




change to	 ECE	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
	 US Models	Version	ECE - Models with Automatic transmission				
	 Japanese Models	Model	628 CS i A	630 CS A	633 CS i A	633 CS i A (S)	635 CS i A
Technical Data - Fuel System		Unit					
13 63 ... Throttle Bypass Valve							
Code No.			0 280 140 124	-		0 280 140 133	0 280 140 124
	Permissible Activating Time at 20°C	min	1,5...(2,8)...3,5	-		2,5...(4,0)...5,5	1,5...(2,8)...3,5
> 4.81			0 280 140 133	-		-	-
	Permissible Activating Time at 20°C	min	2,5...(4,0)...5,5	-		-	-
< 9.82			-	-		-	0 280 140 133
	Permissible Activating Time at 20°C	min	-	-		-	2,5...(4,0)...5,5
> 9.82			-	-		0 280 140 152	
	Permissible Activating Time at 20°C	min	-	-		2,5...(3,5)...4,5	
13 64 ... Fuel Injectors							
Code No.			-	-		-	0 280 150 714
Flow rate	stat.	ca. cm ³ /min	-	-		-	220
Test pressure	(leak rate: 1 drop / min)		bar	-	-	-	3,0 ± 0,05
Coil resistance	at +20°C		Ω	-	-	-	15 ... 17,5
Color code of plug connector				-	-	-	yellow
Spray angle	approx.		°	-	-	-	30
13 64 ... Cold Start Valve							
Code No.			0 280 170 032	-		0 280 170 032	
Spray angle	approx.		°	80	-	80	
Flow rate	at 3,0 bar	cm ³ /min	93 ± 12%	-		93 ± 12%	
	at 2,5 bar	cm ³ /min	85 ± 12%	-		85 ± 12%	
Leak rate	at 3,0 bar	cm ³ /min	0,3	-		0,3	
Coil resistance	at 20°C	Ω	3 ... 5	-		3 ... 5	


change to	 ECE  ECE (A)  Japanese Models	Year	76 - 77	77 - 84	US Models			84 - 89	86 - 88
		Version							
		Model	630 CS i	633 CS i	633 CS i A	635 CS i	635 CS i A	M 6	
Technical Data - Fuel System		Unit							
13 00... Carburetor Survey									
Type			DVG (Solex)	-	-	-	-	-	
Designation			4 A 1	-	-	-	-	-	
Code number on data plate			1 263 779	-	-	-	-	-	
Color of data plate			green	-	-	-	-	-	
Auxiliary starting system			TN - Starter	-	-	-	-	-	
13 11 ... Carburetor Settings									
setting of throttle adjuster									
Gap at throttle lever	stage I	mm	2,9 ± 0,2	-	-	-	-	-	
Choke valve gap	stage I	mm	3,2 / 4,2 ± 0,2	-	-	-	-	-	
Throttle valve gap	stage II	mm	0,3 ... 0,8	-	-	-	-	-	
Fuel level measured in center			7 ± 1	-	-	-	-	-	
Injection rate per stroke			0,7 ± 0,1	-	-	-	-	-	
TN - Starter at coolant temperature of 20°C	Gap A	mm	2,2 + 0,2	-	-	-	-	-	
13 11 ... Carburetor Jets									
Venturi - Ø	stage I	mm	20	-	-	-	-	-	
Main Jet	stage I		X 97,5	-	-	-	-	-	
Jet needle	stage II		B 3	-	-	-	-	-	
Air correction jet	stage I		2,1 H7	-	-	-	-	-	
	stage II		3,7 H7	-	-	-	-	-	
Idle Jet	stage I		42,5	-	-	-	-	-	
Idle air Jet	stage I		120	-	-	-	-	-	
Enrichment jet needle			Nr. 1	-	-	-	-	-	
Float needle valve - Ø	mm		3	-	-	-	-	-	
Choke cover code			80	-	-	-	-	-	
13 11 ... Idle Cut-off Valve									
Make			Pierburg	-	-	-	-	-	
No. / jet size			PE 20 273	-	-	-	-	-	
Nominal voltage	V		12	-	-	-	-	-	
Max. permissible voltage	V		16,5	-	-	-	-	-	
Max. current draw at 12V	A		0,13	-	-	-	-	-	




change to	  	ECE	Year	76 - 77	77 - 84	77 - 84	84 - 89	84 - 89	86 - 88
		ECE (A)	Version	US Models					
		Japanese Models	Model	630 CS i	633 CS i	633 CS i A	635 CS i	635 CS i A	M 6
Technical Data - Fuel System		Unit							
13 11 ... Delayed Action Valve									
Make		Marvel-Schebler		-			-		-
Type or no.		219 - 679 A		-			-		-
13 11 ... Temperature Time Valve									
Make		Pierburg		-			-		-
Type or no.		PE 20 258		-			-		-
Nominal Voltage	V	12		-			-		-
Operating Voltage	V	16,5		-			-		-
Resistance	Ω	6,5 ± 4		-			-		-
	at	°C	0 000 025		-		-		-
13 31 ... Mechanical Fuel Pump									
refer to Group 16 for electric fuel pump									
Make		Pierburg		-			-		-
Type or no.		PE 20 266		-			-		-
Delivery pressure	bar	0,21 ... 0,30		-			-		-
Min. delivery rate	l / h	60		-			-		-
	at engine speed	1 / min	4000		-		-		-
Pump plunger length	mm	107,2 ± 0,1		-			-		-
Insulating flange with gasket	mm	20		-			-		-
13 31 ... Fuel Return Flow Valve									
Make		Pierburg		-			-		-
Type or no.		PE 20 265		-			-		-




change to	 ECE  ECE (A)  Japanese Models	Year	76 - 77	77 - 84	77 - 84	84 - 89	84 - 89	86 - 88
		Version	US Models					
		Model	630 CS i	633 CS i	633 CS i A	635 CS i	635 CS i A	M 6
Technical Data - Fuel System		Unit						
13 00 ... Fuel Injector								
Mixture Control Unit								
System L-Jetronic with Air Flow Sensor			-	x		x		x
Idle Speed			-	850 ... 950				
13 53 ... Pressure Regulator								
Part No.			-	0 280 160 206		0 280 160 014		0 280 160 226
> 9.77			-	0 280 160 014		-		-
> 9.81			-	-		0 280 160 214		-
< 9.82			-	-		-		-
> 9.82			-	0 280 160 226				-
> 9.86			-	-		0 280 160 249		
Ⓢ			-	-		-		-
13 61 ... Control Units								
Part No.			-	0 280 001 103		0 280 001 114		-
Coasting shut-off speed 1 / min			-	-		-		-
Governor speed 1 / min			-	-		-		-
Color of data plate			-	black / green		yellow		-
> 9.81			-			-		-
Coasting shut-off speed 1 / min			-	-		-		-
Governor speed 1 / min			-	-		-		-
Color of data plate			-	-		-		-
> 9.84			-			-		-
Coasting shut-off speed 1 / min			-	-		-		-
Governor speed 1 / min			-	-		-		-
Color of data plate			-	-		-		-



change to	 ECE	Year	76 - 77	77 - 84	77 - 84	84 - 89	84 - 89	86 - 88
	 ECE (A)	Version	US Models					
	 Japanese Models	Model	630 CS i	633 CS i	633 CS i A	635 CS i	635 CS i A	M 6
Technical Data	- Fuel System	Unit						
13 62 ... Control Units Digital Motor Electronics								
Code No.			-	-		0 261 200 002		0 261 200 055
	Coasting shut-off speed	1 / min	-	-		1200 ± 50		1400 ± 50
	Governor speed	1 / min	-	-		6200 ± 80		6800 ± 80
	Color of data plate		-	-		white		blue
with catalytic converter			-	-		-		0 261 200 079
> 9.82			-	-		0 261 200 011		-
	Coasting shut-off speed	1 / min	-	-		1000 ± 50		-
	Governor speed	1 / min	-	-		6200 ± 80		-
	Color of data plate		-	-		green		-
> 9.83			-	-		0 261 200 018		-
	Coasting shut-off speed	1 / min	-	-		1100 ± 50		-
	Governor speed	1 / min	-	-		6200 ± 80		-
	Color of data plate		-	-		white		-
> 9.84			-	-		0 261 200 061		-
	Coasting shut-off speed	1 / min	-	-		960 ± 50		-
	Governor speed	1 / min	-	-		6400 ± 80		-
	Color of data plate		-	-		light red		-
catalytic converter > 9.84			-	-		0 261 200 059		-
	Coasting shut-off speed	1 / min	-	-		960 ± 50		-
	Governor speed	1 / min	-	-		6400 ± 80		-
	Color of data plate		-	-		violet		-
Safety Car > 9.84			-	-		0 261 200 064		-
	Coasting shut-off speed	1 / min	-	-		960 ± 50		-
	Governor speed	1 / min	-	-		6200 ± 80		-
	Color of data plate		-	-		black		-
> 9.86			-	-		0 261 200 150		-
	Color of data plate		-	-		green		-
> ???			-	-		0 261 200 178		-
	Color of data plate		-	-		-		-




change to	 ECE		Year	76 - 77	77 - 84	77 - 84	84 - 89	84 - 89	86 - 88	
	 ECE (A)		Version	US Models						
	 Japanese Models		Model	630 CS i	633 CS i	633 CS i A	635 CS i	635 CS i A	M 6	
Technical Data		- Fuel System	Unit							
13 62 ... Air Flow Sensor										
Code No.				-	0 280 203 002			0 280 203 025		
Color Code				-	green			-		
< 9.80				-	0 280 203 010		-	-		
Color Code				-	-		-	-		
> 4.81				-	-		-	-		
Color Code				-	-		-	-		
< 9.82				-	0 280 203 013			-		
Color Code				-	black			-		
> 9.82				-	0 280 203 018			-		
Color Code				-	black			-		
> 9.84				-	-	0 208 203 027		-		
Color Code				-	-	fire red		-		
13 62 ... Temperature Switch										
Code No.				-	0 280 130 214			-		
Version		°C / sec.		-	35 / 8			-		
Resistance Value between "G" and Ground										
< 30°C		O		-	25 ... 40			-		
> 40°C		O		-	50 ... 80			-		
Code No.				-	0 280 130 219			-		
Version		°C / sec.		-	15 / 8			-		
Resistance Value between "G" and Ground										
< 10°C		O		-	25 ... 40			-		
> 20°C		O		-	50 ... 80			-		
13 62 ... Coolant Temperature Sensor										
Code No.				-	0 280 130 023			-		
Test value				-	7 ... 11,6			-		
at - 10°C ± 1		kO		-	2,1 ... 2,9			-		
at + 20°C ± 1		kO		-	0,2 ... 0,4			-		
at + 80°C ± 1		kO		-				-		
Code No.				-	-	0 280 130 026			-	
> 9 .82 Test value				-	-	8,2 ... 10,5			-	
at - 10°C ± 1		kO		-	-	2,2 ... 2,7			-	
at + 20°C ± 1		kO		-	-	0,3 ... 0,36			-	
at + 80°C ± 1		kO		-	-				-	

change to		ECE	Year	76 - 77	77 - 84	77 - 84	84 - 89	84 - 89	86 - 88
		ECE (A)	Version	US Models					
		Japanese Models	Model	630 CS i	633 CS i	633 CS i A	635 CS i	635 CS i A	M 6
Technical Data - Fuel System			Unit						
13 63 ... Throttle Bypass Valve									
Code No.				-	0 280 140 133		0 280 140 124		0 280 140 125
	Permissible Activating Time at 20°C	min		-	2,5...(4,0)...5,5		1,5...(2,8)...3,5		2,0...(4,0)...4,5
> 4.81				-	-		-		-
	Permissible Activating Time at 20°C	min		-	-		-		-
< 9.82				-	-		0 280 140 133		-
	Permissible Activating Time at 20°C	min		-	-		2,5...(4,0)...5,5		-
> 9.82				-	0 280 140 152				-
	Permissible Activating Time at 20°C	min		-	2,5...(3,5)...4,5				-
13 64 ... Fuel Injectors									
Code No.				-	-		0 280 150 714		0 280 150 201
Flow rate	stat.	ca.	cm ³ /min	-	-		220		235
Test pressure	(leak rate: 1 drop / min)		bar	-	-		3,0 ± 0,05		
Coil resistance	at +20°C		Ω	-	-		15 ... 17,5		2 ... 3
Color code of plug connector				-	-		yellow		grey
Spray angle	approx.		°	-	-		30		
13 64 ... Cold Start Valve									
Code No.				-			0 280 170 032		
Spray angle			approx. °	-			80		
Flow rate	at 3,0 bar		cm ³ /min	-			93 ± 12%		
	at 2,5 bar		cm ³ /min	-			85 ± 12%		
Leak rate	at 3,0 bar		cm ³ /min	-			0,3		
Coil resistance	at 20°C		Ω	-			3 ... 5		

change to	 ECE  ECE (A)  US Models	Year	78 - 84	78 - 84	84 - 88	84 - 88	86 - 88	
		Version	Japanese Models					
		Model	633 CS i	633 CS i A	635 CS i	635 CS i A	M 6	
Technical Data - Fuel System		Unit						
13 00 ... Fuel Injector								
Mixture Control Unit								
System L-Jetronic with Air Flow Sensor			x		x		x	
Idle Speed			850 ... 950					
13 53 ... Pressure Regulator								
Part No.			0 280 160 206		0 280 160 014		0 280 160 226	
> 9.77			0 280 160 014		-		-	
> 9.81			-		0 280 160 214		-	
< 9.82			-		-		-	
> 9.82			0 280 160 226					-
> 9.86			-		0 280 160 249			
Ⓢ			-		-		-	
13 61 ... Control Units								
Part No.			0 280 001 103		0 280 001 114		-	
Coasting shut-off speed		1 / min	-		-		-	
Governor speed		1 / min	-		-		-	
Color of data plate			black / green		yellow		-	
> 9.81					-		-	
Coasting shut-off speed		1 / min	-		-		-	
Governor speed		1 / min	-		-		-	
Color of data plate			-		-		-	
> 9.84					-		-	
Coasting shut-off speed		1 / min	-		-		-	
Governor speed		1 / min	-		-		-	
Color of data plate			-		-		-	

change to	 ECE  ECE (A)  US Models	Year	78 - 84	78 - 84	84 - 88	84 - 88	86 - 88
		Version	Japanese Models				
		Model	633 CS i	633 CS i A	635 CS i	635 CS i A	M 6
Technical Data	- Fuel System	Unit					
13 62 ... Control Units Digital Motor Electronics							
Code No.			-		0 261 200 002		0 261 200 055
	Coasting shut-off speed	1 / min	-		1200 ± 50		1400 ± 50
	Governor speed	1 / min	-		6200 ± 80		6800 ± 80
	Color of data plate		-		white		blue
with catalytic converter			-		-		0 261 200 079
> 9.82					0 261 200 011		-
	Coasting shut-off speed	1 / min	-		1000 ± 50		-
	Governor speed	1 / min	-		6200 ± 80		-
	Color of data plate		-		green		-
> 9.83					0 261 200 018		-
	Coasting shut-off speed	1 / min	-		1100 ± 50		-
	Governor speed	1 / min	-		6200 ± 80		-
	Color of data plate		-		white		-
> 9.84			-		0 261 200 061		-
	Coasting shut-off speed	1 / min	-		960 ± 50		-
	Governor speed	1 / min	-		6400 ± 80		-
	Color of data plate		-		light red		-
catalytic converter > 9.84			-		0 261 200 059		-
	Coasting shut-off speed	1 / min	-		960 ± 50		-
	Governor speed	1 / min	-		6400 ± 80		-
	Color of data plate		-		violet		-
Safety Car > 9.84			-		0 261 200 064		-
	Coasting shut-off speed	1 / min	-		960 ± 50		-
	Governor speed	1 / min	-		6200 ± 80		-
	Color of data plate		-		black		-
> 9.86			-		0 261 200 150		-
	Color of data plate		-		green		-
> ???			-		0 261 200 178		-
	Color of data plate		-		-		-

change to	 ECE  US Models	Year	Japanese Models				
		Version	78 - 84	78 - 84	84 - 88	84 - 88	86 - 88
Technical Data		Model	633 CS i	633 CS i A	635 CS i	635 CS i A	M 6
- Fuel System		Unit					
13 62 ... Air Flow Sensor							
Code No.			0 280 203 002			0 280 203 025	
Color Code			green			-	
< 9.80			0 280 203 010		-		-
Color Code			-			-	
> 4.81			-		-		-
Color Code			-			-	
< 9.82			0 280 203 013			-	
Color Code			black			-	
> 9.82			0 280 203 018			-	
Color Code			black			-	
> 9.84			-		0 208 203 027		-
Color Code			-		fire red		-
13 62 ... Temperature Switch							
Code No.			0 280 130 214				
Version		°C / sec.	35 / 8				
Resistance Value between "G" and Ground							
< 30°C		O	25 ... 40				
> 40°C		O	50 ... 80				
Code No.			0 280 130 219			-	
Version		°C / sec.	15 / 8			-	
Resistance Value between "G" and Ground							
< 10°C		O	25 ... 40			-	
> 20°C		O	50 ... 80			-	
13 62 ... Coolant Temperature Sensor							
Code No.			0 280 130 023			-	
Test value			7 ... 11,6			-	
at - 10°C ± 1		kO	2,1 ... 2,9			-	
at + 20°C ± 1		kO	0,2 ... 0,4			-	
at + 80°C ± 1		kO					
Code No.			-		0 280 130 026		
> 9.82	Test value	at - 10°C ± 1	kO	-		8,2 ... 10,5	
at + 20°C ± 1		kO	-		2,2 ... 2,7		
at + 80°C ± 1		kO	-		0,3 ... 0,36		

change to	 ECE  ECE (A)  US Models	Year	78 - 84	78 - 84	84 - 88	84 - 88	86 - 88
		Version	Japanese Models				
		Model	633 CS i	633 CS i A	635 CS i	635 CS i A	M 6
Technical Data - Fuel System		Unit					
13 63 ... Throttle Bypass Valve							
Code No.			0 280 140 133		0 280 140 124		0 280 140 125
	Permissible Activating Time at 20°C	min	2,5...(4,0)...5,5		1,5...(2,8)...3,5		2,0...(4,0)...4,5
> 4.81			-		-		-
	Permissible Activating Time at 20°C	min	-		-		-
< 9.82			-		0 280 140 133		-
	Permissible Activating Time at 20°C	min	-		2,5...(4,0)...5,5		-
> 9.82			0 280 140 152				-
	Permissible Activating Time at 20°C	min	2,5...(3,5)...4,5				-
13 64 ... Fuel Injectors							
Code No.			-		0 280 150 714		0 280 150 201
Flow rate	stat.	ca. cm ³ /min	-		220		235
Test pressure	(leak rate: 1 drop / min)		-		3,0 ± 0,05		
Coil resistance	at +20°C		-		15 ... 17,5		2 ... 3
Color code of plug connector			-		yellow		grey
Spray angle	approx. °		-		30		
13 64 ... Cold Start Valve							
Code No.			0 280 170 032				
Spray angle	approx. °		80				
Flow rate	at 3,0 bar		93 ± 12%				
	at 2,5 bar		85 ± 12%				
Leak rate	at 3,0 bar		0,3				
Coil resistance	at 20°C		3 ... 5				



Service-Information BMW Automobile



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All Service Informations are saved in german language, please find them in the german manual.