

WSM Porsche 928

date 1-apr-14

**RZ-50-JG**

MY 1978 chassis# 9288101100 owner: Ad van der Lee

n/y/1/2/3

volume	Repair group	Maintenance	Group	page	status	remarks	EUR
<b>1</b>	<b>Engine</b>	<b>Engine, crankcase</b>	<b>10</b>				
1	Engine	tolerances and wear limits	10	10_01	info		
1	Engine	technical data	10	10_02a	info		
1	Engine	engine torque specifications	10	10_03	info		
1	Engine	removing and installing engine	10	10_1	1		
1	Engine	engine, removing and installing	10	10_11	1		
1	Engine	extra	10			engine cleaned	
<b>1</b>	<b>Engine</b>	<b>Engine, crankshaft, Pistons</b>	<b>13</b>				
1	Engine	tools	13	13_1	info		
1	Engine	engine support (special tool 9188)	13	13_2	info		
1	Engine	crankcase tools	13	13_3	info		
1	Engine	disassembling and assembling crankcase and crankshaft	13	13_4	n		
1	Engine	sealing upper and lower crankcase sections	13	13_7	n		
1	Engine	checking crankshaft bearing clearances	13	13_8	n		
1	Engine	installing crankshaft oil seals	13	13_9	1		
1	Engine	installing upper and lower crankcase sections	13	13_10	n		
1	Engine	machining flywheel	13	13_10b	n		
1	Engine	machining flywheel - 1984 models	13	13_10b	n		
1	Engine	removing and installing flywheel	13	13_11	1		
1	Engine	removing and installing pilot bearing	13	13_11	1		
1	Engine	disassembling and assembling pistons and connecting rods	13	13_13	1		
1	Engine	installing piston and connecting rod	13	13_15	0		
1	Engine	tolerance group of pistons and cylinders	13	13_16	info		
1	Engine	checking connecting rod bearing clearance	13	13_16	0		
1	Engine	replacing belts for airpump, alternator, and power steering pump	13	13_17	y		
1	Engine	checking and adjusting belt tightness	13	13_18	y		
1	Engine	checking and adjusting tension of alternator poly-rib belt	13	13_18b	na		
1	Engine	replacing belts for alternator, power pump air, pump and A/C compressor	13	13_18c	y		
1	Engine	crankshaft tools	13	13_19	info		
1	Engine	installing flywheel stop	13	13_20	y		
1	Engine	crankshaft journal sizes	13	13_21	n		
1	Engine	checking piston and cylinder bore	13	13_23	y		
1	Engine	piston arrangement	13	13_24a	info		
1	Engine	piston sizes, 84/85/86 models onward	13	13_24b	info		
1	Engine	note for installing pistons (32 valve engines)	13	13_24c	info		
1	Engine	pistons, 87 models onward	13	13_24c	info		
1	Engine	checking pistons and cylinder bores (32 - valve engines)	13	13_24d	na		
1	Engine	checking piston and cylinder bores - type 928 GTS (5,4 L)	13	13_24e	na		
1	Engine	remachining cylinder bores	13	13-25	n		

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1	Engine	extra	13				
1	<b>Engine</b>	<b>Engine, cylinder head, valves</b>	<b>15</b>				
1	Engine	valve tools	15	15_1	info		
1	Engine	dissassembling and assembling valve drive	15	15_3	1	valve drive housing cleaned	
1	Engine	checking end play od camshaft	15	15_6f	y		
1	Engine	camshaft survey	15	15_6g	1		
1	Engine	disassembling and assembling valve train	15	15_7	y		
1	Engine	disassembling and assembling valve drive	15	15_8	y		
1	Engine	machining valve seats	15	15_8a	3	heads reconditioned by `De Sutter`	
1	Engine	checking valve guides	15	15_8a	3	heads reconditioned by `De Sutter`	
1	Engine	removing and installing valve springs	15	15_8b	3	heads reconditioned by `De Sutter`	
1	Engine	checking and installing length of valve springs	15	15_8b	3	heads reconditioned by `De Sutter`	
1	Engine	removing and installing camshaft drive belt and water pump	15	15_9	2		
1	Engine	installing camshaft drive belt and adjusting timing	15	15_14	y		
1	Engine	drive belts with THD teeth (beginning with 1983 models)	15	15_16	info		
1	Engine	checking ad adjusting drive belt	15	15_17	y		
1	Engine	machining cylinder head	15	15_19	3	heads reconditioned by `De Sutter`	
1	Engine	disassembling and assembling tensioning roller housing	15	15_20	y	Porkensioner	
1	Engine	bleeding tensioning roller housing (from 1983 models)	15	15_23	na		
1	Engine	disassembling and assembling tensioning roller housing	15	15_24	1		
1	Engine	cylinder head tools	15	15_27	info		
1	Engine	replacing valve guides	15	15_28	3	heads reconditioned by `De Sutter`	
1	Engine	checking TDC marks on camshaft sprockets	15	15_31	y		
1	Engine	tools (32 valve engines)	15	15_101	info		
1	Engine	checking and adjusting toothed belt	15	15_102	y		
1	Engine	replacing toothed belt	15	15_105	y		
1	Engine	tools - cylinder head (32 valve engines)	15	15_109	info		
1	Engine	disassembling and assembling cylinder head	15	15_110	na		
1	Engine	tools - cylinder head (32 valve engines)	15	15_112	info		
1	Engine	tools - cylinder head, removing and installing valve springs	15	15_112a	info		
1	Engine	removing and installing valve springs	15	15_112b	na		
1	Engine	removing and installing valve stem seal	15	15_112b	na		
1	Engine	installing valve stem seal, '87 models onward	15	15_112c	na		
1	Engine	checking valve guides	15	15_112d	na		
1	Engine	cylinder head - tools replacing valve guides	15	15-112e	info		
1	Engine	machining cylinder head - mating face	15	15_112j	3	heads reconditioned by `De Sutter`	
1	Engine	checking valve seat wear limit	15	15_113	3	heads reconditioned by `De Sutter`	
1	Engine	checking and machining valve seats	15	15_114	3	heads reconditioned by `De Sutter`	
1	Engine	valve dimensions 928 S '85/'86 models onward	15	15_115	na		

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1	Engine	checking and adjusting installation length of valve springs (32-valve engines)	15	15_116	na		
1	Engine	tools-installing cylinder head	15	15_116d	info		
1	Engine	modifications to the cylinder head (32 valve)	15	15_116e	na		
1	Engine	cylinder head, installing	15	15_117	y		
1	Engine	tools - disassembling and assembling valve drive	15	15_119	info		
1	Engine	disassembling and assembling valve drive	15	15-120	na		
1	Engine	camshaft installation overview	15	15_124	info		
1	Engine	camshaft installation overview type 928 S4, 928 GTS (5,4 L)	15	15_124a	na		
1	Engine	removing and installing camshafts	15	15_125	na		
1	Engine	installing camshaft seal	15	15_128a	na		
1	Engine	removing and installing chain tensioner for camshafts	15	15_129	na		
1	Engine	camshaft setting, checking and adjusting	15	15_131	na		
1	Engine	cylinder head cover, dismantling and reassembling	15	15_137	na		
1	Engine	928 S4 club sport-version	15	15_139	na		
1	Engine	camshaft installation	15	15_140	na		
1	Engine	checking and/or adjusting camshaft settings	15	15_141	na		
1	Engine	checking and/or adjusting camshaft settings, 928 GTS (5,4 L)	15	15_142	na		
1	Engine	extra	15				
<b>1</b>	<b>Engine</b>	<b>Engine, lubrication</b>	<b>17</b>				
1	Engine	Removing and installing lubricating system parts	17	17_1	1		
1	Engine	oil pump, removing and installing	17	17_6	1		
1	Engine	replacing shaft seal for oil pump	17	17_6a	1		
1	Engine	lubrication system components, removing and installing	17	17_6b	1		
1	Engine	changing engine oil and engine oil filter	17	17_7	y		
1	Engine	checking oil pressure	17	17_8	y		
1	Engine	checking oil pressure	17	17_9	y		
1	Engine	cleaning oil check valve for hydraulic valve tappets	17	17_10	y		
1	Engine	cleaning of engine-oil system	17	17_11	3		
1	Engine	extra	17				
<b>1A</b>	<b>Engine</b>	<b>Engine, cooling</b>	<b>19</b>				
1A	Engine	changing coolant and bleeding cooling system	19	19_1	1		
1A	Engine	changing coolant and bleeding cooling system	19	19_2	1		
1A	Engine	checking cooling system cap	19	19_2a	3		
1A	Engine	checking cooling thermostat	19	19-2B	3		
1A	Engine	disassembling and assembling visco fan	19	19_3	1	electric cooling fan	
1A	Engine	disassembling and assembling thermostat housing for cooling system (ATF)	19	19_6	na		
1A	Engine	disassembling and assembling thermostat housing for cooling system	19	19_8	1		
1A	Engine	disassembling and assembling thermostat housing for cooling system - Notes	19	19_10	info		
1A	Engine	cooling-air flap control, '87 models onwards	19	19_11	na		

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1A	Engine	tightening torques, overview	19	19_11	info		
1A	Engine	function charts	19	19_15	info		
1A	Engine	removing and installing cooling-air flap motor	19	19_19	na		
1A	Engine	removing and installing fans	19	19_20	na		
1A	Engine	removing and installing cooling-air flaps	19	19_21	na		
1A	Engine	troubleshooting	19	19_22	na		
1A	Engine	function-testing senders	19	19_23	na		
1A	Engine	function-testing flap positioning motor	19	19_24	na		
1A	Engine	function-testing the output stage	19	19_25	na		
1A	Engine	extra	19				
<b>1A</b>	<b>Engine</b>	<b>fuel supply</b>	<b>20</b>				
1A	Engine	replacing fuel filter - up to 1980 models	20	20_1	y	fuel lines replaced	
1A	Engine	removing and installing fuel pump	20	20_2	2	fuel lines replaced	
1A	Engine	checking delivery rate of fuel pump - CIS	20	20_3	y		
1A	Engine	checking fuel pump delivery - AFC	20	20_4	na		
1A	Engine	checking fuel pump delivery - LH-Jetronic, beginning with 1984 models	20	20_5	na		
1A	Engine	hose diagram for CIS	20	20_6	info		
1A	Engine	arrangement of check valves	20	20_8	info		
1A	Engine	replacing check valve	20	20_9	2		
1A	Engine	disassembling and assembling accelerator pedal	20	20_10	n		
1A	Engine	removing and installing fuel tank	20	20_12	2		
1A	Engine	removing and installing fuel tank (Japan)	20	20_14	na		
1A	Engine	fuel level sensor, removing and installing	20	20_15	3		
1A	Engine	activated charcoal cannister for removal of toxic substances from fuel tank breather (dia	20	20_17	na		
1A	Engine	calibrating the tank sensor system for model 89 onwards	20	20_19	na		
1A	Engine	extra	20				
<b>1A</b>	<b>Engine</b>	<b>Electronic fuel injection</b>	<b>24</b>				
1A	Engine	AFC equipment table	24	24_01	na		
1A	Engine	testing and adjusting specifications	24	24_1	y		
1A	Engine	adjusting idle - USA and Japan	24	24_3	na		
1A	Engine	adjusting idle speed and CO - USA and Japan, 1983 models	24	24_6a	na		
1A	Engine	checking fuel pressure	24	24_27	y		
1A	Engine	removing and installing pressure regulator	24	24_9	1		
1A	Engine	removing and installing intake air sensor	24	24_9	1		
1A	Engine	removing and installing cold start valve	24	24_10	1		
1A	Engine	removing and installing auxiliary air regulator	24	24_10	1		
1A	Engine	removing and installing temperature sensor II	24	24_11	1		
1A	Engine	removing and installing pressure damper	24	24_11	1		
1A	Engine	removing and installing fuel injectors	24	24_12	1		

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1A	Engine	disassembling / assembling fuel injectors	24	24_13	1		
1A	Engine	removing and installing fuel injectors	24	24_13	1		
1A	Engine	removing and installing throttle housing	24	24_14	1		
1A	Engine	checking and adjusting microswitches on throttle housing	24	24_15	y		
1A	Engine	checking temperature sensor II	24	24_17	y		
1A	Engine	checking temperature time switch (for cold start)	24	24_17	y		
1A	Engine	checking auxillary air sensor	24	24_18	y		
1A	Engine	checking cold start valve	24	24_18	y		
1A	Engine	checking vacuum control	24	24_19	y		
1A	Engine	checking pressure regulator	24	24_19	y		
1A	Engine	checking air flow sensor	24	24_20	y		
1A	Engine	checking pressure regulator	24	24_20	y		
1A	Engine	troubleshooting AFC	24	24_21	na		
1A	Engine	hose diagram for AFC	24	24_22	na		
1A	Engine	correcting CO level on air flow sensor	24	24_24	y		
1A	Engine	LH-jetronic equipment table	24	24_101	na		
1A	Engine	LH-jetronic air flow	24	24_102	na		
1A	Engine	LH-jetronic	24	24_104	na		
1A	Engine	troubleshooting LH-jetronic	24	24_108	na		
1A	Engine	testing oxygen sensor operation	24	24-120a	na		
1A	Engine	testing and adjusting specifications	24	24_121	na		
1A	Engine	adjusting idle and CO, 1984 models	24	24_122	na		
1A	Engine	removing and installing heated wire air flow sensor	24	24_125	na		
1A	Engine	removing and installing fuel cooler	24	24_126	na		
1A	Engine	specifications for testing and adjusting	24	24_201	na		
1A	Engine	equipment chart LH-jetronic	24	24_202	na		
1A	Engine	adjusting idle	24	24_203	na		
1A	Engine	correcting CO adjustment on air volume sensor	24	24_207	na		
1A	Engine	fuel path - LH-jetronic	24	24_208	na		
1A	Engine	injection valves, removing and installing	24	24_209	na		
1A	Engine	testing adjustment values for type 928 S4 - 928 GT - 928 GTS (5,4 L)	24	24_211	na		
1A	Engine	equipment chart LH-jetronic	24	24_212	na		
1A	Engine	checking idle USA cars and cars with catalytic converters	24	24_213	na		
1A	Engine	adjusting idle without catalytic converters	24	24_214	na		
1A	Engine	fuel path, LH jetronic	24	24_216	na		
1A	Engine	modified breather for crankcase and cylinder heads	24	24_218	na		
1A	Engine	testing oxygen sensor operation	24	24_219	na		
1A	Engine	testing oxygen sensor operation	24	24_221	na		
1A	Engine	coding for LH control unit	24	24_222	na		

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volume	Repair group	Maintenance	Group	page	status	remarks	EUR
1A	Engine	removing and installing rotary idle actuator	24	24_223	na		
1A	Engine	extra	24				
<b>1A</b>	<b>Engine</b>	<b>Fuel mixture</b>	<b>25</b>				
1A	Engine	tightening torque for fuel system	25	25_01	info		
1A	Engine	replacing air cleaner element	25	25_1	y		
1A	Engine	adjusting idle and CO	25	25_2	y		
1A	Engine	testing and adjusting specifications	25	25_5	y		
1A	Engine	pressure tests	25	25_7	y		
1A	Engine	connecting and bleeding pressure gauge	25	25_8	y		
1A	Engine	checking system pressure	25	25_10	y		
1A	Engine	checking control pressure "warm"	25	25_10	y		
1A	Engine	checking entire fuel system for leaks	25	25_11	y		
1A	Engine	checking control pressure "cold"	25	25_12	y		
1A	Engine	checking function of hot start valve (CIS)	25	25_12b	y		
1A	Engine	checking hot start valve for leaks (CIS)	25	25_12b	y		
1A	Engine	pressure test with VW 1318	25	25_12c	y		
1A	Engine	connecting and bleeding pressure tester VW 1318	25	25_12d	y		
1A	Engine	connecting and bleeding pressure tester VW 1318	25	25_12e	y		
1A	Engine	checking system pressure	25	25_12f	y		
1A	Engine	checking control pressure "warm"	25	25_12f	y		
1A	Engine	checking and adjusting rest position of Air flow sensor plate	25	25_13	y		
1A	Engine	replacing pressure relief and residual pressure valves	25	25-14	y		
1A	Engine	removing and installing mixture control unit	25	25_15	y		
1A	Engine	disassembling and assembling mixture control unit	25	25_17	1		
1A	Engine	disassembling and assembling mixture control unit	25	25_21	1		
1A	Engine	removing and installing fuel injectors	25	25_23	1		
1A	Engine	removing and installing oxygen sensor	25	25_25	na		
1A	Engine	resetting elapsed mileage switch	25	25_26	na		
1A	Engine	removing and installing control unit for AFC fuel injection and oxygen sensors	25	25_26	na		
1A	Engine	extra	25				
<b>1A</b>	<b>Engine</b>	<b>exhaust system/emission controls</b>	<b>26</b>				
1A	Engine	replacing filter element of air pump	26	26_1	na	airpump delete	
1A	Engine	checking tightness of exhaust flanges	26	26_1	y		
1A	Engine	hose layout	26	26_3	info		
1A	Engine	intermediate and/or final mufflers - single pipe system	26	26_6	info		
1A	Engine	replacing intermediate and/or final mufflers	26	26_7	1		
1A	Engine	intermediate and/or final mufflers - twin pipe system	26	26_8	na		
1A	Engine	replacing intermediate muffler and final muffler	26	26_9	y		
1A	Engine	replacing final muffler	26	26_9	y	rear muffler repaired	

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1A	Engine	extra	26			new heat shields installed	
<b>1A</b>	<b>Engine</b>	<b>starter, power supply, cruise control</b>	<b>27</b>				
1A	Engine	checking battery	27	27_1	y		
1A	Engine	automatic cruise control (tempostat)	27	27_3	info		
1A	Engine	removing and installing tempostat control	27	27_6	1		
1A	Engine	removing and installing tempostat switch (steering column switch)	27	27_6	n		
1A	Engine	removing and installing clutch pedal switch	27	27_7	n		
1A	Engine	removing and installing vacuum servo	27	27_8	n		
1A	Engine	removing and installing cable on vacuum servo	27	27_9	n		
1A	Engine	troubleshooting automatic cruise control	27	27_10	y		
1A	Engine	checking multiple pin plug of control with voltmeter or test lamp	27	27_12	y		
1A	Engine	checking multiple pin plug of control with ohmmeter and ignition turned off	27	27_13	y		
1A	Engine	removing and installing starter	27	27_15	1		
1A	Engine	removing and installing tempostat control unit	27	27_17	1		
1A	Engine	removing and installing steering column switch, actuator	27	27_18	n		
1A	Engine	removing and installing bowden cable	27	27_19	n		
1A	Engine	removing and installing clutch pedal switch	27	27_20	n		
1A	Engine	troubleshooting tempostat	27	27_21	y		
1A	Engine	tempostat control pin assignment	27	27_21	info		
1A	Engine	testing multi-pin plug of tempostat control unit	27	27_22	y		
1A	Engine	alternator, removing and installing	27	27_25	1		
1A	Engine	extra	27				
<b>1A</b>	<b>Engine</b>	<b>ignition system</b>	<b>28</b>				
1A	Engine	ignition components	28	28_1	info		
1A	Engine	caution when repairing electronic ignition system	28	28_3	info		
1A	Engine	adjusting ignition timing	28	28_4	y		
1A	Engine	distributor specifications	28	28_7	info		
1A	Engine	removing and installing distributor	28	28_8	1		
1A	Engine	replacing spark plugs	28	28_9	1		
1A	Engine	removing and installing vacuum unit	28	28_10	1		
1A	Engine	troubleshooting electronic ignition system	28	28_11	info		
1A	Engine	ignition components	28	28_21	info		
1A	Engine	ignition adjusting and testing values	28	28_22	y		
1A	Engine	adjusting ignition timing	28	28_23	y		
1A	Engine	checkling ignition timing	28	28_24	y		
1A	Engine	checking distributor	28	28_25	y		
1A	Engine	equipment table	28	28_31	info		
1A	Engine	checking distributor	28	28_34	y		
1A	Engine	equipment table	28	28_35	info		

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1A	Engine	caution when repairing electronic ignition system	28	28_39	info		
1A	Engine	electronic ignition system	28	28_40	info		
1A	Engine	important car information	28	28_44	info		
1A	Engine	removing and installing electronic ignition control unit	28	28_45	1		
1A	Engine	removing and installing transistorized ignition control unit	28	28_45	1		
1A	Engine	removing and installing transistorized ignition control unit	28	28_46	1		
1A	Engine	removing and installing transistorized ignition control unit	28	28_46	1		
1A	Engine	removing and installing speed/reference mark sensor	28	28_46	1		
1A	Engine	removing and installing distributor	28	28_47	1		
1A	Engine	removing and installing TDC sensor	28	28_48	na		
1A	Engine	removing and installing TDC sender	28	48_48c	na		
1A	Engine	troubleshooting electronic ignition system	28	28_49	info		
1A	Engine	equipment survey	28	28_65	info		
1A	Engine	replacing spark plugs	28	28_67	1		
1A	Engine	EIK control-unit coding	28	28_69	na		
1A	Engine	checking the transmission protection switch (automatic transmission)	28	28_71	na		
1A	Engine	equipment table	28	28_73	info		
1A	Engine	equipment table type 928 GT - 928 GTS (5,4 L)	28	28_74	na		
1A	Engine	ignition circuit temperature sensor, removing and installing	28	28_75	na		
1A	Engine	checking the ignition circuit monitoring relay	28	28_77	y		
1A	Engine	DME Diagnosis / troubleshooting	28	D24/28-1	na		
1A	Engine	LH-diagnosis / troubleshooting	28	D24-11	na		
1A	Engine	EZK-diagnosis / troubleshooting	28	D28-1	na		
1A	Engine	extra	28				
<b>2</b>	<b>Transmission</b>	<b>clutch, controls</b>	<b>30</b>				
2	Transmission	technical data	30	30_01	info		
2	Transmission	torque specifications for manual transmission, gear shift, central tube	30	30_03	info		
2	Transmission	technical data	30	30_05	info		
2	Transmission	technical data type A 28.01	30	30_08	info		
2	Transmission	torque specifications	30	30_09	info		
2	Transmission	technical data	30	30_013	info		
2	Transmission	technical data type A 28.01	30	30_014	info		
2	Transmission	checking clutch play	30	30_1	y		
2	Transmission	clutch operation	30	30_1	info		
2	Transmission	adjusting clutch spring	30	30_1	y		
2	Transmission	checking wear of clutch discs	30	30-2	3		
2	Transmission	bleeding clutch	30	30-2a	y		
2	Transmission	removing and installing clutch pedal switch	30	30_2b	n		
2	Transmission	removing and installing clutch spring	30	30-2g	n		



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2	Transmission	removing and installing clutch	30	30_3	y		
2	Transmission	removing and installing clutch, single-disk clutch, '87 models onward	30	30-6b	na		
2	Transmission	disassembling and assembling clutch (diameter centered)	30	30_7	y		
2	Transmission	disassembling and assembling clutch (dowel pin centered)	30	30_10	na		
2	Transmission	disassembling and assembling clutch (diameter and dowel pin centered)	30	30_17	na		
2	Transmission	clutch linkage versions	30	30_20	info		
2	Transmission	ball stud versions	30	30_21	info		
2	Transmission	replacing ball stud	30	30_21	n		
2	Transmission	removing and installing clutch housing	30	30_22	1		
2	Transmission	checking clutch discs	30	30_23	3	clutch discs reconditioned	
2	Transmission	checking clutch pressure plate	30	30_24	3		
2	Transmission	checking clutch intermediate plate	30	30_24	3		
2	Transmission	overhauling clutch slave cylinder	30	30_25	2		
2	Transmission	checking clutch disc for wear	30	30_27	3		
2	Transmission	extra	30				
<b>2</b>	<b>Transmission</b>	<b>torque converter</b>	<b>32</b>				
2	Transmission	removing and installing torque converter	32	32_1	na		
2	Transmission	extra	32		na		
<b>2</b>	<b>Transmission</b>	<b>manual transmission, controls, case</b>	<b>34</b>				
2	Transmission	changing transmission oil	34	34_1	y		
2	Transmission	removing and installing transmission	34	34_3	1		
2	Transmission	adjusting transmission suspension	34	34_8a	y		
2	Transmission	disassembling and assembling shift linkage	34	34_8c	1		
2	Transmission	disassembling and assembling transmission	34	34_9	n		
2	Transmission	disassembling and assembling upper case cover with reverse gear lock	34	34_19	n		
2	Transmission	extra	34			replaced seals	
<b>2</b>	<b>Transmission</b>	<b>manual transmission, gears, shaft</b>	<b>35</b>				
2	Transmission	disassembling and assembling input shaft	35	35_1	n		
2	Transmission	disassembling and assembling pinion shaft	35	35_5	n		
2	Transmission	determining shim thickness "X"	35	35_11	n		
2	Transmission	determining shim thickness "Y"	35	35_13	n		
2	Transmission	measuring distance "Z" between input shaft and pinion shaft	35	35_15	n		
2	Transmission	disassembling and assembling synchronizers	35	35_17	n		
2	Transmission	disassembling and assembling countershaft Hub/gears	35	35_21	n		
2	Transmission	extra	35		n		
<b>2</b>	<b>Transmission</b>	<b>automatic transmission, controls, case</b>	<b>37</b>				
2	Transmission	removing and installing transmission	37	37_1	na		
2	Transmission	removing and installing selector cable	37	37_9	na		
2	Transmission	removing and installing selector lever cover frame	37	37_10a	na		

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volume	Repair group	Maintenance	Group	page	status	remarks	EUR
2	Transmission	adjusting selector cable	37	37_11	na		
2	Transmission	cable and backup light switch operation	37	37_12	na		
2	Transmission	removing and installing accelerator cable	37	37_13	na		
2	Transmission	Adjusting throttle pressure cable	37	37_14	na		
2	Transmission	neutral/park starting switch	37	37_15	na		
2	Transmission	disassembling and assembling front converter housing	37	37_17	na		
2	Transmission	removing and installing final drive housing	37	37_21	na		
2	Transmission	removing and installing rear transmission case and rear converter housing	37	37_26a	na		
2	Transmission	disassembling and assembling rear converter housing	37	37_27	na		
2	Transmission	disassembling and assembling final drive housing	37	37_31	na		
2	Transmission	disassembling and assembling transmission	37	37_35	na		
2	Transmission	disassembling and assembling transmission case	37	37_45	na		
2	Transmission	installing automatic transmission section	37	37_53	na		
2	Transmission	extra	37		na		
<b>2</b>	<b>Transmission</b>	<b>automatic transmission, gears, valve body</b>	<b>38</b>				
2	Transmission	checking transmission operation	38	38_1	na		
2	Transmission	troubleshooting	38	38_11	na		
2	Transmission	removing and installing valve body	38	38_21	na		
2	Transmission	replacing ATF and filter	38	38_25	na		
2	Transmission	flushing ATF cooler and lines	38	38_28	na		
2	Transmission	disassembling and assembling centrifugal governor	38	38_29	na		
2	Transmission	disassembling and assembling gear assembly	38	38_33	na		
2	Transmission	disassembling and assembling clutch K 1	38	38_41	na		
2	Transmission	disassembling and assembling clutch K 2	38	38_47	na		
2	Transmission	extra	38		na		
<b>2</b>	<b>Transmission</b>	<b>differential, transaxle system</b>	<b>39</b>				
2	Transmission	removing and installing differential	39	39_1	na		
2	Transmission	disassembling and assembling differential	39	39_5	na		
2	Transmission	adjusting pinion and ring gear	39	39_11	na		
2	Transmission	removing and installing final drive for automatic transmission	39	39_21	na		
2	Transmission	disassembling and assembling bearing assembly for automatic transmission	39	39_25	na		
2	Transmission	determining thickness of shims for bearing assembly	39	39_29	na		
2	Transmission	adjusting pinion and ring gear (automatic transmission)	39	39_31	na		
2	Transmission	removing and installing central tube (automatic transmission)	39	39_41	n		
2	Transmission	checking drive shaft (automatic transmission)	39	39_49	n		
2	Transmission	disassembling and assembling limited slip differential	39	39_55	n		
2	Transmission	removing and installing central tube (manual transmission)	39	39_61	2		
2	Transmission	disassembling and assembling central tube (manual transmission)	39	39_63	1		
2	Transmission	checking drive shaft	39	39_65	y		

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2	Transmission	extra	39				
<b>2</b>	<b>Transmission</b>	<b>General</b>	<b>30</b>				
2	Transmission	5 speed manual transmission type G28	30	30_0201	info		
2	Transmission	technical data	30	30_0203	info		
2	Transmission	torque specifications	30	30_0205	info		
2	Transmission	extra	30				
<b>2</b>	<b>Transmission</b>	<b>Manual transmission / controls, case</b>	<b>34</b>				
2	Transmission	disassembling and assembling transmission	34	34_201	na		
2	Transmission	disassembling and assembling manual transmission ('87 models onwards)	34	34_214a	na		
2	Transmission	adjusting shift forks	34	34_215	na		
2	Transmission	adjusting shifts	34	34_217	na		
2	Transmission	adjusting gearshift ('86 models onward)	34	34_218a	na		
2	Transmission	adjusting gearshift ('87 models onward)	34	34_218c	na		
2	Transmission	disassembling and assembling upper transmission cover with reverse gear armrest	34	34_219	na		
2	Transmission	disassembling and assembling upper transmission cover ('87 models onward)	34	34_220	na		
2	Transmission	disassembling and assembling housing cover with oil pump	34	34_221	na		
2	Transmission	replacing O-ring for spray tube (type G28/57)	34	34_223	na		
2	Transmission	extra	34				
<b>2</b>	<b>Transmission</b>	<b>manual transmission / gears and shafts</b>	<b>35</b>				
2	Transmission	disassembling and assembling drive shaft	35	35_201	n		
2	Transmission	disassembling and assembling drive pinion	35	35_205	n		
2	Transmission	disassembling and assembling countershaft	35	35_215	n		
2	Transmission	disassembling and assembling layshaft ('87 models onward)	35	35_219	n		
2	Transmission	extra	35				
<b>2</b>	<b>Transmission</b>	<b>differential / transaxle system</b>	<b>39</b>				
2	Transmission	removing and installing differential	39	39_201	na		
2	Transmission	measuring the plate wear on the proportional-slip differential	39	39_206a	na		
2	Transmission	removing and installing the proportional-slip differential	39	39_206c	na		
2	Transmission	bleeding hydraulics of Porsche controlled slip differential (PSD)	39	39_206i	na		
2	Transmission	disassembling and assembling differential	39	39_207	na		
2	Transmission	limited slip differential, disassembleng and assembling (40% lock-up)	39	39_212a	na		
2	Transmission	disassembling and assembling the proportinal-slip differential	39	39_212i	na		
2	Transmission	dismantling and assembling lim.slip differential with Valeo friction discs	39	39_212s	na		
2	Transmission	adjusting pinion and gear	39	39_213	na		
2	Transmission	determining thickness of shim S5	39	39_215	na		
2	Transmission	drive shaft and ring gear, adjusting	39	39_217	na		
2	Transmission	adjusting and drive pinion and ring gear	39	39_219	na		
2	Transmission	adjusting drive pinion and ring gear	39	39_221	na		
2	Transmission	adjusting drive pinion and ring gear	39	39_225	na		

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2	Transmission	extra	39		na		
<b>3</b>	<b>Transmission</b>	<b>Clutch, controls</b>	<b>30</b>				
3	Transmission	technical data	30	30_0101	info		
3	Transmission	tightening torque	30	30_0105	info		
3	Transmission	extra	30				
<b>3</b>	<b>Transmission</b>	<b>torque converter</b>	<b>32</b>				
3	Transmission	removing and installing torque converter	32	32_101	na		
3	Transmission	extra	32		na		
<b>3</b>	<b>Transmission</b>	<b>manual transmission, controls, case</b>	<b>34</b>		info		
3	Transmission	extra	34				
<b>3</b>	<b>Transmission</b>	<b>manual transmission, gears, shafts</b>	<b>35</b>		info		
3	Transmission	extra	35				
<b>3</b>	<b>Transmission</b>	<b>automatic transmission, controls, case</b>	<b>37</b>				
3	Transmission	removing and installing selector lever cover frame	37	37_101	na		
3	Transmission	removing and installing selector lever cable	37	37_103	na		
3	Transmission	adjusting selector lever cable	37	37_105	na		
3	Transmission	removing and installing starter locking and backup switch	37	37_107	na		
3	Transmission	adjusting starter locking and backup switch	37	37_109	na		
3	Transmission	checking adjustment of selector lever cable and starter locking / backup switch	37	37_111	na		
3	Transmission	bowden cable for control pressure, removing and installing (service solution)	37	37_113	na		
3	Transmission	bowden cable for control pressure, adjusting	37	37_115	na		
3	Transmission	removing and installing transmission	37	37_117	na		
3	Transmission	adjusting transmission suspension	37	37_123	na		
3	Transmission	disassembling and assembling front cover housing	37	37_125	na		
3	Transmission	disassembling and assembling front cover housing ('87 models onward)	37	37_130	na		
3	Transmission	removing and installing rear transmission case	37	37_131	na		
3	Transmission	removing and installing rear transmission	37	37_135	na		
3	Transmission	disassembling and assembling transmission	37	37_143	na		
3	Transmission	extra	37		na		
<b>3</b>	<b>Transmission</b>	<b>automatic transmission, gears, valve body</b>	<b>38</b>				
3	Transmission	checking transmission operation	38	38_101	na		
3	Transmission	checking operation	38	38_110	na		
3	Transmission	checking operation ('87 models onward)	38	38_110a	na		
3	Transmission	troubleshooting	38	38_111	na		
3	Transmission	removing and installing shift valve casing	38	38_123	na		
3	Transmission	disassembling and assembling shift valve housing	38	38_125	na		
3	Transmission	disassembling and assembling shift valve housing ('87 models onward)	38	38_130a	na		
3	Transmission	removing and installing lower cover	38	38_131	na		
3	Transmission	disassembling and assembling lower cover	38	38_133	na		

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3	Transmission	replacing ATF and filter	38	38_137	na		
3	Transmission	flushing ATF cooler and lines	38	38_141	na		
3	Transmission	removing and installing governor	38	38_143	na		
3	Transmission	checking governor	38	38_145	na		
3	Transmission	removing and installing vacuum modulator	38	38_147	na		
3	Transmission	removing and installing primary pump	38	38_149	na		
3	Transmission	disassembling and assembling secondary pump	38	38_155	na		
3	Transmission	disassembling and assembling gear assembly	38	38_157	na		
3	Transmission	disassembling and assembling one-way clutch	38	38_163	na		
3	Transmission	disassembling and assembling clutch K 1	38	38_169	na		
3	Transmission	disassembling and assembling clutch K 2	38	38_177	na		
3	Transmission	extra	38		na		
<b>3</b>	<b>Transmission</b>	<b>differential, transaxle system</b>	<b>39</b>				
3	Transmission	removing and installing final drive	39	39_101	n		
3	Transmission	disassembling and assembling final drive	39	39_107	n		
3	Transmission	disassembling and assembling differential	39	39_113	n		
3	Transmission	disassembling and assembling bearing assembly	39	39_119	n		
3	Transmission	disassembling and assembling bearing assembly / Determining thickness of shims for be	39	39_123	n		
3	Transmission	adjusting final drive pinion and ring gear	39	39_125	n		
3	Transmission	adjusting final drive pinion and ring gear	39	39_127	n		
3	Transmission	adjusting final drive pinion and ring gear	39	39_128	n		
3	Transmission	adjusting final drive pinion and ring gear	39	39_130	n		
3	Transmission	adjusting final drive pinion and ring gear	39	39_130	n		
3	Transmission	adjusting final drive pinion and ring gear	39	39_133	n		
3	Transmission	adjusting final drive pinion and ring gear	39	39_135	n		
3	Transmission	disassembling and assembling central tube	39	39_137	2	bearings replaced	
3	Transmission	checking central tube	39	39_139	3		
3	Transmission	PSD diagnosis / troubleshooting	39	D39-201	na		
3	Transmission	extra	39		na		
<b>4</b>	<b>Chassis</b>	<b>front wheel suspension</b>	<b>40</b>				
4	Chassis	technical data	40	40_01	info		
4	Chassis	tightening torques	40	40_02	info		
4	Chassis	notes on front axle, '86 models onwards	40	40_04	info		
4	Chassis	disassembling and assembling wheel suspension	40	40_1	2		
4	Chassis	disassembling and assembling wheel suspension, until end of model year '85	40	40_2	na		
4	Chassis	disassembling and assembling wheel suspension, '86 models onwards	40	40_7	na		
4	Chassis	disassembling and assembling wheel suspension (before and after model year 86)	40	40_13	na		
4	Chassis	wheel suspension components - installation overview	40	40_16	info		
4	Chassis	modifications to mountings	40	40_19	info	new ball joints lower control arms	

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volume	Repair group	Maintenance	Group	page	status	remarks	EUR
4	Chassis	closing slots in ball joints	40	40_23	info		
4	Chassis	inspecting protective caps of ball joints on control arms and track rods	40	40_24	3	caps replaced control arms + track rods	
4	Chassis	modified steering knuckle, cars with floating brake calipers	40	40_25	info		
4	Chassis	disassembling and assembling wheel bearing	40	40_27	3	rear wheel bearings replaced	
4	Chassis	removing and installing spring strut	40	40_35	2		
4	Chassis	disassembling and assembling spring strut, tools	40	40_35	info		
4	Chassis	disassembling and assembling non-adjustable spring struts	40	40_37	na		
4	Chassis	disassembling and assembling adjustable spring struts	40	40_39	2	front struts replaced (used item)	
4	Chassis	disassembling and assembling adjustable and non-adjustable spring struts	40	40_42	2		
4	Chassis	coil springs for adjustable spring struts	40	40_46	info		
4	Chassis	coil springs for non-adjustable spring struts	40	40_47	info		
4	Chassis	coil springs for non-adjustable spring struts/effect on car height	40	40_49	info		
4	Chassis	dampers - installation overview	40	40_51	info		
4	Chassis	extra	40			cross member powder coated	
<b>4</b>	<b>Chassis</b>	<b>rear wheel suspension, axle shaft</b>	<b>42</b>				
4	Chassis	technical data	42	42_01	info		
4	Chassis	tightening torques	42	42_02	info		
4	Chassis	disassembling and assembling rear suspension	42	42_1	2	rear struts replaced (used item)	
4	Chassis	disassembling and assembling Hub assembly	42	42_7	2		
4	Chassis	replacing upper control arm mount	42	42_13	2		
4	Chassis	removing and installing spring strut	42	42_14	2		
4	Chassis	disassembling and assembling spring strut	42	42_15	2		
4	Chassis	damper - installation overview	42	42_18d	info		
4	Chassis	removing and installing axle shaft	42	42_19	2	replaced 4 axle boots, cleaned, regreased	
4	Chassis	disassembling and assembling axle shaft	42	42_21	2		
4	Chassis	removing and installing rear axle assembly	42	42_29	y	aluminium crossmember powder coated	
4	Chassis	extra	42				
<b>4</b>	<b>Chassis</b>	<b>wheels, tires, alignment</b>	<b>44</b>				
4	Chassis	wheels and tires, pressure	44	44_01	info		
4	Chassis	17-inch wheels	44	44_03	info		
4	Chassis	allignment settings	44	44_05	info		
4	Chassis	sample measuring card	44	44_06	info		
4	Chassis	alignment	44	44_1	y		
4	Chassis	checking wheel rims	44	44_6	y		
4	Chassis	general assembly information, tires	44	44_7	info		
4	Chassis	wheel balancing	44	44_10	3		
4	Chassis	installing and removing wheels on car	44	44_19	1		
4	Chassis	tire pressure warning system - General	44	44_21	na		
4	Chassis	tire inflation pressure for vehicles with tire pressure warning system	44	44_26	na		

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4	Chassis	tire pressure warning system short test	44	44_28	na		
4	Chassis	removing and installing pressure-operated switches (tire pressure warning system)	44	44_29	na		
4	Chassis	removing and installing high-frequency sensor (tire pressure warning system)	44	44_32	na		
4	Chassis	removing and installing tire pressure warning system control unit	44	44_33	na		
4	Chassis	conector assignment of the control unit connector	44	44_34	na		
4	Chassis	notes on trouble-shooting - tire pressure warning system	44	44_35	na		
4	Chassis	tire pressure warning system (RDK) diagnosis	44	44_301	na		
4	Chassis	extra	44				
<b>4</b>	<b>Chassis</b>	<b>antilock system</b>	<b>45</b>				
4	Chassis	general	45	45_01	na		
4	Chassis	design - ABS	45	45_03	na		
4	Chassis	components - ABS	45	45_04	na		
4	Chassis	important notes for troubleshooting and ABS test program	45	45_06	na		
4	Chassis	important information for working on cars with ABS	45	45_07	na		
4	Chassis	removing and installing hydraulic unit	45	45_1	na		
4	Chassis	removing and installing electronic control unit	45	45_5	na		
4	Chassis	removing and installing relais	45	45_6	na		
4	Chassis	removing and installing sensors	45	45_8	na		
4	Chassis	removing and installing speed sensor, 86 models onward	45	45_11	na		
4	Chassis	extra	45		na		
<b>4</b>	<b>Chassis</b>	<b>brakes, mechanical</b>	<b>46</b>				
4	Chassis	general	46	46_01	info		
4	Chassis	technical data	46	46_02	info		
4	Chassis	technical data, 86 models onwards	46	46_05	info		
4	Chassis	torque specifications	46	46_08	info		
4	Chassis	technocal data as of MY '92	46	46_011	info		
4	Chassis	checking thickness of brake pads	46	46_1	3		
4	Chassis	removing and installing brake pads (floating frame caliper disc brakes)	46	46_2	2		
4	Chassis	removing and installing brake pads (floating caliper disc brakes)	46	46_5	2		
4	Chassis	removing and installing brake pads (four-piston fixed caliper)	46	46_6b	na		
4	Chassis	removing and installing brake pedal	46	46_8	n		
4	Chassis	adjusting brake pressure rod (until end of model '85)	46	46_9	1		
4	Chassis	adjusting brake pressure rod (86 models onwards)	46	46_10	na		
4	Chassis	checking stoplamp switch setting	46	46_10a	y		
4	Chassis	disassembling and assembling front wheel brake	46	46_11	2		
4	Chassis	disassembling and assembling rear wheel brake	46	46_13	2	new brake shoes and springs	
4	Chassis	checking brake disc lateral runout	46	46_16	3		
4	Chassis	checking brake disc thickness	46	46_18	3	resurfaced, skimmed	
4	Chassis	disassembling and assembling park brake lever	46	46_19	y		

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4	Chassis	checking and adjusting parking brake	46	46_21	y		
4	Chassis	extra	46				
<b>4</b>	<b>Chassis</b>	<b>brakes, hydraulic</b>	<b>47</b>				
4	Chassis	tightening torques	47	47_01	info		
4	Chassis	notes on brakes, 86 models onwards	47	47_03	info		
4	Chassis	disassembling and assembling floating frame caliper	47	47_1	na	F+R: cleaned, painted, new seals	
4	Chassis	disassembling and assembling fist caliper	47	47_7	na		
4	Chassis	replacing dampers and slides	47	47_12	3		
4	Chassis	removing and installing brake master cylinder	47	47_13	2		
4	Chassis	removing and installing brake booster	47	47_15	2		
4	Chassis	removing and installing brake pressure regulator	47	47_17	y		
4	Chassis	braking-force regulators - installation overview (until end of model year 83)	47	47_18a	info		
4	Chassis	braking-force regulators - installation overview (84 models onward)	47	47_18b	na		
4	Chassis	testing braking-force regulator	47	47_19	info		
4	Chassis	notes on bleeding brake and changing brake fluid	47	47_22	info		
4	Chassis	extra	47				
<b>4</b>	<b>Chassis</b>	<b>steering</b>	<b>48</b>				
4	Chassis	technical data	48	48_01	info		
4	Chassis	torque specifications	48	48_02	info		
4	Chassis	removing and installing steering gear	48	48_1	2	new delrin bushings	
4	Chassis	steering stop versions	48	48_6a	info		
4	Chassis	removing and installing power steering pump	48	48_7	2		
4	Chassis	replacing seals for aluminium power steering pump	48	48_8a	na		
4	Chassis	notes on power steering	48	48_8i	info		
4	Chassis	checking drive belt tension	48	48_8i	y		
4	Chassis	checking steering system for leaks	48	48_8j	2		
4	Chassis	bleeding steering system	48	48_8k	1		
4	Chassis	checking hydraulic function of steering (pressure test)	48	48_9	3	steering system overhauled by Hydroline	
4	Chassis	removing and installing steering wheel	48	48_14	2		
4	Chassis	repairing steering and intermediate shafts with steering tube	48	48_15	n		
4	Chassis	replacing upper steering shaft bearing	48	48_30	n		
4	Chassis	dismantling and assembling steering wheel huigt adjuster of airbag vehicles	48	48_33	n		
4	Chassis	extra	48				
<b>5</b>	<b>Body</b>	<b>body - front section</b>	<b>50</b>				
5	Body	special tools and shop materials for body repairs	50	50_01	info		
5	Body	repair dimensions	50	50_03	info		
5	Body	safety notes	50	50_05	info		
5	Body	extra	50			inner wheel wells new body coating	
<b>5</b>	<b>Body</b>	<b>body - center section</b>	<b>51</b>				



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5	Body	replacing rocker panel	51	51_1	n		
5	Body	extra	51				
<b>5</b>	<b>Body</b>	<b>body - rear section</b>	<b>53</b>				
5	Body	replacing rear apron and quarter panel	53	53_1	n		
5	Body	replacing quarter panel end section	53	53_5	n		
5	Body	body repairs to foam filled cavities	53	53_7	n		
5	Body	extra	53				
<b>5</b>	<b>Body</b>	<b>lids</b>	<b>55</b>				
5	Body	removing and installing engine hood cable	55	55_1	2	prior to painting	
5	Body	removing latch on rear lid lock (upper section)	55	55_3	n		
5	Body	removing an installing electric rear lid unlocking device	55	55_5	n		
5	Body	extra	55				
<b>5</b>	<b>Body</b>	<b>doors</b>	<b>57</b>				
5	Body	removing and installing door	57	57_1	n		
5	Body	removing and installing door window and regulator	57	57_3	2	new guides, electric motor reconditioned	
5	Body	removing and installing door lock	57	57_6	n		
5	Body	checking door central locking system	57	57_7	y		
5	Body	replacing door lock cylinder	57	57_15	n		
5	Body	modification to rotary knob lock	57	57_17	info		
5	Body	modification on unfinished shell	57	57_19	info		
5	Body	troubleshooting central locking system - from 1980 models	57	57_21	info		
5	Body	changes on door and door locking lock cylinders	57	57_25	info		
5	Body	extra	57				
<b>5</b>	<b>Body</b>	<b>sun roof</b>	<b>60</b>				
5	Body	removing and installing power sun roof	60	60_1	na		
5	Body	removing and installing drive motor and gearbox for sun roof	60	60_4	na		
5	Body	removing and installing wind deflector for sun roof	60	60_5	na		
5	Body	removing and installing gates, guide, cables and guide rails	60	60_6	na		
5	Body	modification on sun roof	60	60_8	na		
5	Body	extra	60		na		
<b>5</b>	<b>Body</b>	<b>hardtop</b>	<b>61</b>				
5	Body	extra	61		na		
<b>5</b>	<b>Body</b>	<b>bumpers</b>	<b>63</b>				
5	Body	removing and installing bumper (front)	63	63_2	2		
5	Body	removing and installing nose panel, '87 model onward	63	63_4a	na		
5	Body	disassembling and assembling bumpers	63	63_5	2		
5	Body	removing and installing bumper (rear)	63	63_6	2		
5	Body	extra	63				
<b>5</b>	<b>Body</b>	<b>glasses, window control</b>	<b>64</b>				

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volume	Repair group	Maintenance	Group	page	status	remarks	EUR
5	Body	removing and installing power window operating switch	64	64_1	2	new window switches	
5	Body	installing adhesive plate for inside rear view mirror	64	64_2	n		
5	Body	bonding the interior rearview mirror in place	64	64_2a	n		
5	Body	removing and installing windshield	64	64_3	n		
5	Body	removing and installing the bonded windshield	64	64_7	n		
5	Body	removing and installing the bonded rear side window	64	64_15	n		
5	Body	removing and installing windshield - 2 pack adhesive	64	64_21	n		
5	Body	removing and installing bonded rear side window - 2 pack adhesive	64	64_31	n		
5	Body	extra	64				
<b>5</b>	<b>Body</b>	<b>exterior equipment</b>	<b>66</b>				
5	Body	paint colours from 1978 models	66	66_01	info		
5	Body	paint colours from 1980 models	66	66_02	info		
5	Body	body paint colours from 1982 models	66	66_03	info		
5	Body	body paint colours from 1984 models	66	66_04	info		
5	Body	body paint colours from 1985 models	66	66_05	info		
5	Body	body paint colours, '86 models onward	66	66_06	info		
5	Body	body paint colours, '87 models onward	66	66_07	info		
5	Body	body paint colours - 1989 models onward	66	66_08	info		
5	Body	body paint colours - 1990 models onward	66	66_09	info		
5	Body	body paint colours - 1991 models onward	66	66_010	info		
5	Body	body paint colours - 1992 models onward	66	66_011	info		
5	Body	removing and installing side gueard strips	66	66_1	3	side guard strips removed	
5	Body	service installing side guard strips	66	66_3	n		
5	Body	removing and installing front spoiler	66	66_5	2		
5	Body	removing and installing rear spoiler	66	66_9	n		
5	Body	removing and installing outside mirror	66	66_13	n		
5	Body	service installing outside mirror on passenger's door	66	66-15	n		
5	Body	removing and installing sill covers	66	66_20	na		
5	Body	removing and installing rear spoiler	66	66_25	n		
5	Body	removing and installing front air dam	66	66_27	n		
5	Body	fitting the CLUB SPORT emblem	66	66_29	n		
5	Body	retrofitting new mirror generation for vehicles as of MY '87	66	66_31	n		
5	Body	extra	66				
<b>5</b>	<b>Body</b>	<b>interior equipment</b>	<b>68</b>				
5	Body	removing and installing rear side trim panel	68	68_1	2		
5	Body	safety regulations for handling airbag vehicles	68	68_3	info		
5	Body	removing and installing the airbag steering wheel	68	68_5	na		
5	Body	removing and installing airbag components	68	68_6	na		
5	Body	checking the airbag system to ensure that long-term functioning is guaranteed	68	68_11	na		

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volume	Repair group	Maintenance	Group	page	status	remarks	EUR
5	Body	checking the safety belts	68	68_13	y		
5	Body	correct disposal of airbag units	68	68_15	na		
5	Body	diagnosis / troubleshooting airbag	68	D68_1	na		
5	Body	extra	68				
<b>5</b>	<b>Body</b>	<b>seats</b>	<b>72</b>				
5	Body	removing and installing power seat	72	72_1	na		
5	Body	removing seat backrest motor	72	72_3	na		
5	Body	disassembling seat controls	72	72_4	na		
5	Body	disassembling left seat track and removing fore-aft seat control motor	72	72_5	na		
5	Body	disassembling right seat track and removing seat height control motor	72	72_6	na		
5	Body	seat and mirror position control system	72	72_7	na		
5	Body	seat and mirror position control system, method of operation	72	72_9	na		
5	Body	seat control unit, plug assignment	72	72_11	na		
5	Body	checking seat and mirror position control system	72	72_13	na		
5	Body	plug assignment, mirror control system	72	72_17	na		
5	Body	checking mirror control unit	72	72_19	na		
5	Body	checking control unit	72	72_22	na		
5	Body	electrically adjustable seat	72	72_23	na		
5	Body	calibrating controllable seat heating	72	72_31	na		
5	Body	checking seat heating	72	72_33	na		
5	Body	extra	72		na		
<b>5</b>	<b>Body</b>	<b>seat covers</b>	<b>74</b>				
5	Body	extra	74		na		
<b>4</b>	<b>Heating, ventilatic</b>	<b>Heater</b>	<b>80</b>				
4	heating, ventilator	heater, blower, air distribution housing	80	80_1	2	new hot water valve	
4	heating, ventilator	extra	80				
<b>4</b>	<b>Heating, ventilatic</b>	<b>ventilation</b>	<b>85</b>				
4	heating, ventilator	extra	85				
<b>4</b>	<b>Heating, ventilatic</b>	<b>air conditioner</b>	<b>87</b>				
4	heating, ventilator	specifications	87	87_01	info		
4	heating, ventilator	tightening torques	87	87_02	info		
4	heating, ventilator	refrigerant system layout	87	87_1	info		
4	heating, ventilator	vacuum system layout	87	87_2	info		
4	heating, ventilator	safety refulations for handling refrigerant R12	87	87_3	info		
4	heating, ventilator	installation work on the air-conditioning system (service unit SECU)	87	87_4b	n		
4	heating, ventilator	removing and installing heater / evaporator	87	87_5	n		
4	heating, ventilator	removing and installing blower	87	87_16	n		
4	heating, ventilator	removing and installing air distributor housing	87	87_17	n		
4	heating, ventilator	disassembling and assembling heater / evaporator	87	87_19	n		

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volume	Repair group	Maintenance	Group	page	status	remarks	EUR
4	heating, ventilator removing and installing condenser fan		87	87_24	n		
4	heating, ventilator removing and installing receiver-drier		87	87_25	n		
4	heating, ventilator removing and installing compressor		87	87_28	n		
4	heating, ventilator regulators and control unit of automatic air conditioner		87	87_31	n		
4	heating, ventilator disassembling and assembling compressor		87	87_43	n		
4	heating, ventilator disassembling and assembling center air vent and switch		87	87_47	n		
4	heating, ventilator automatic air conditioner 84 models onwards		87	87_89	n		
4	heating, ventilator technical data		87	87_90	info		
4	heating, ventilator tightening torques		87	87_91	info		
4	heating, ventilator disassembling and assembling heater / air conditioner		87	87_92	n		
4	heating, ventilator removing and installing heater / air conditioner		87	87_97	n		
4	heating, ventilator removing and installing compressor		87	87_99	n		
4	heating, ventilator removing and installing condenser		87	87_100	n		
4	heating, ventilator removing and installing fluid tank		87	87_101	n		
4	heating, ventilator removing and installing antifreeze unit		87	87_102	n		
4	heating, ventilator removing and installing expansion valve / Distribution of oil in refrigeration circuit		87	87_103	n		
4	heating, ventilator vacuum system - schema		87	87_104	info		
4	heating, ventilator checking vacuum system		87	87_105	n		
4	heating, ventilator flap position program		87	87_106	n		
4	heating, ventilator checking flap position program		87	87_108	n		
4	heating, ventilator checking operation switch		87	87_110	n		
4	heating, ventilator testing setting motor		87	87_113	n		
4	heating, ventilator Adjusting temperature mixture flaps		87	87_115	n		
4	heating, ventilator pressure and temperature specifications		87	87_116	n		
4	heating, ventilator troubleshooting		87	87_118	n		
4	heating, ventilator auxiliary air conditioner		87	87_120	n		
4	heating, ventilator removing and installing magnetic clutch		87	87_126	n		
4	heating, ventilator technical data of air conditioning system as of MY '93		87	87_129	n		
4	heating, ventilator extra		87		n		
<b>5</b>	<b>Electrics</b>	<b>Instruments, fuel gauge, alarm system</b>	<b>90</b>				
5	Electrics	precautions when working on cars with electronic units	90	90_01	info		
5	Electrics	locations of relays and electronic controls in car	90	90_1	info		
5	Electrics	removing and installing instrument cluster	90	90_7	2		
5	Electrics	disassembling and assembling instrument cluster	90	90_8	2	instrument lights changed to LED	
5	Electrics	removing and installing clock	90	90_10	n		
5	Electrics	troubleshooting car radio	90	90_11	n		
5	Electrics	measuring antenna resistance	90	90_17	y		
5	Electrics	removing trim plate for radio opening	90	90_18	n		
5	Electrics	instrument cluster as from 1979 model	90	90_19	na		

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volume	Repair group	Maintenance	Group	page	status	remarks	EUR
5	Electrics	location of fuses and relays in ca - 1980 model	90	90_20	na		
5	Electrics	removing and installing radio (digital radio Bamberg QTS)	90	90_25	na		
5	Electrics	checking fuel consumption indicator	90	90_27	na		
5	Electrics	troubleshooting warning system	90	90_29	y		
5	Electrics	troubleshooting warning system / Function test on central warning unit	90	90_31	y		
5	Electrics	central warning unit connection plan black plug	90	90_32	info		
5	Electrics	central warning unit connection plan yellow plug	90	90_33	info		
5	Electrics	single component function test	90	90_34	info		
5	Electrics	alarm system 928	90	90_41	na		
5	Electrics	service installing Blaupunkt SQR 22 radio	90	90_49	na		
5	Electrics	upshift indicator	90	90_53	na		
5	Electrics	checking burglar alarm	90	90_55	na		
5	Electrics	checking auxilliary control unit - burglar alarm	90	90_56	na		
5	Electrics	Backlit instrument cluster, removing and installing MY '89 onwards	90	90_57	na		
5	Electrics	advancing the odometer reading of the backlight instrument cluster	90	90_59	na		
5	Electrics	extra	90				
<b>5</b>	<b>Electrics</b>	<b>radio, telephone, bordcomputer</b>	<b>91</b>				
5	Electrics	facilities for subsequent telephone installation	91	91_1	info		
5	Electrics	retrofitting CD player from model 89 onward	91	91_11	na		
5	Electrics	extra	91				
<b>5</b>	<b>Electrics</b>	<b>windshield wipers and washer</b>	<b>92</b>				
5	Electrics	adjusting headlight cleaner jets	92	92_1	y		
5	Electrics	service installing rear window wiper	92	92_2	n		
5	Electrics	windshield wipers and washers	92	92_3	3	regreased	
5	Electrics	removing and installing windshield wipers beginning with 1983 models	92	92_6	3	electric motor cleaned, regreased	
5	Electrics	extra	92				
<b>5</b>	<b>Electrics</b>	<b>exterior lights, lamps, switches</b>	<b>94</b>				
5	Electrics	bulb chart	94	94_1	info		
5	Electrics	aiming headlights	94	94_2	y		
5	Electrics	adjusting foglights	94	94_3	y		
5	Electrics	removing and installing steering column switch	94	94_4	2		
5	Electrics	removing and installing switch in instrument cover	94	94_5	2		
5	Electrics	removing and installing sealed beam headlight units	94	94_6	2		
5	Electrics	headlight beam regulator, checking	94	94_8	0	removed hydraulic system	
5	Electrics	headlight beam regulator, removing and installing	94	94_10	0		
5	Electrics	main headlamps, adjusting - USA ('80 models onward)	94	94_14	na		
5	Electrics	extra	94				
<b>5</b>	<b>Electrics</b>	<b>interior lights</b>	<b>96</b>				
5	Electrics	bulb chart	96	96_1	info		

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5	Electrics	control panel variations R.o.W.	96	96_2	info		
5	Electrics	control variations USA	96	96_3	info		
5	Electrics	extra	96				
<b>5</b>	<b>Electrics</b>	<b>wiring</b>	<b>97</b>				