



Service Circular

2004 Scheduled Maintenance Intervals

Date: March 29, 2004
Number: VMS-04-01

1.8 Liter Turbo Engine:

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	
Engine: change engine oil and oil filter	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Engine: check for leaks				•				•				•				•					•	
Battery: check				•				•				•				•					•	
Door check straps: lubricate				•				•				•				•					•	
Dust & pollen filter: replace (where applicable)				•				•				•				•					•	
Cooling system: check coolant level; add if necessary				•				•				•				•					•	
Windshield washer fluid: check level; add if necessary		•		•		•		•		•		•		•		•		•			•	
Automatic shift lock: check operation including park/neutral position switch		•		•		•		•		•		•		•		•		•			•	
Automatic transmission: check for leaks				•				•				•				•					•	
Manual transmission: check oil level; add if necessary; check for leaks				•				•				•				•					•	
Wheels: rotate front to rear		•		•		•		•		•		•		•		•		•			•	
Tires/spare wheel: check condition and pressure				•				•				•				•					•	
Brake system: check for damage/leaks, brake pad thickness, brake fluid level		•		•		•		•		•		•		•		•		•			•	
Drive shafts: check boots				•				•				•				•					•	
On-Board Diagnostic system: check fault memory; erase if necessary				•				•				•				•					•	
Sunroof frame: clean and lubricate				•				•				•				•					•	

Continues at next page



Service Circular

2004 Scheduled Maintenance Intervals

Date: March 29, 2004
Number: VMS-04-01

1.8 Liter Turbo Engine (cont'd):

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168
Front axle: check dust seals on ball joints and tie rod ends; check tie rods				•				•				•				•				•	
Headlights: check & adjust if necessary				•				•				•				•				•	
Rear spoiler: lubricate (<i>New Beetle only</i>)		•		•		•		•		•		•		•		•		•		•	
Timing belt: check condition												•				•					
Timing belt and tensioning roller: Replace (<i>Passat, Golf, Jetta, New Beetle 1.8 T engine only</i>)																					•
V-belt/ribbed belt: check tension and condition; adjust if necessary								•								•					
Spark plugs: replace								•								•					
Air cleaner: replace filter								•								•					
Automatic transmission: check ATF								•								•					
Exhaust system: check for damage & leaks				•				•				•				•				•	
Power steering: check fluid level								•								•					
Automatic transmission final drive: check oil level and for leaks; add if necessary								•				•				•					
Check operation of convertible top and roll-over protection with convertible top open using VAS 5051				•				•				•				•				•	
Road Test: check kickdown, braking, steering, heating and ventilation, air conditioning, power accessories and electrical systems				•				•				•				•				•	
Every 12 months, regardless of mileage (kilometers): Perform visual check on Airbag system.																					
Every 2 years, regardless of mileage (kilometers): Change brake fluid.																					
Every 2 yrs or 20,000 miles (32,000 kilometers), whichever comes first: Check function of convertible top and check roll-over protection with convertible top open.																					



Service Circular

2004 Scheduled Maintenance Intervals

Date: March 29, 2004
Number: VMS-04-01

2.0 Liter Engine:

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168
Engine: change engine oil and oil filter	•	•		•		•		•		•		•		•		•		•		•	
Engine: check for leaks				•				•				•				•				•	
Exhaust system: check for damage & leaks				•				•				•				•				•	
Battery: check				•				•				•				•				•	
Door check straps: lubricate				•				•				•				•				•	
Dust & pollen filter: replace (where applicable)				•				•				•				•				•	
Cooling system: check coolant level; add if necessary				•				•				•				•				•	
Windshield washer fluid: check level; add if necessary		•		•		•		•		•		•		•		•		•		•	
Automatic shift lock: check operation including park/neutral position switch		•		•		•		•		•		•		•		•		•		•	
Automatic transmission: check for leaks				•				•				•				•				•	
Manual transmission: check oil level; add if necessary; check for leaks				•				•				•				•				•	
Wheels: rotate front to rear		•		•		•		•		•		•		•		•		•		•	
Tires/spare wheel: check condition and pressure				•				•				•				•				•	
Brake system: check for damage/leaks, brake pad thickness, brake fluid level		•		•		•		•		•		•		•		•		•		•	
Drive shafts: check boots				•				•				•				•				•	
On-Board Diagnostic system: check fault memory; erase if necessary				•				•				•				•				•	



Service Circular

2004 Scheduled Maintenance Intervals

Date: March 29, 2004
Number: VMS-04-01

2.0 Liter Engine (cont'd):

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	
Timing belt: check																•						
Sunroof frame: clean and lubricate				•				•				•				•					•	
V-belt/ribbed belt: check tension and condition; adjust if necessary								•								•						
Spark plugs: replace								•								•						
Air cleaner: replace filter								•								•						
Rear spoiler: lubricate (<i>New Beetle only</i>)		•		•		•		•		•		•		•		•		•		•		•
Automatic transmission: check ATF								•								•						
Automatic transmission final drive oil: check level and for leaks; add if necessary								•				•				•						
Headlights: check & adjust if necessary				•				•				•				•					•	
Power steering: check fluid level								•								•						
Front axle: check dust seals on ball joints and tie rod ends; check tie rods				•				•				•				•					•	
Check operation of convertible top and roll-over protection with convertible top open using VAS 5051				•				•				•				•					•	
Road Test: check kick down, braking, steering, heating and ventilation, air conditioning, power accessories and electrical systems				•				•				•				•					•	
Every 12 months, regardless of mileage (kilometers): Perform visual check on Airbag system.																						
Every 2 years, regardless of mileage (kilometers): Change brake fluid.																						
Every 2 yrs or 20,000 miles (32,000 kilometers), whichever comes first: Check function of convertible top and check roll-over protection with convertible top open.																						



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2.8 Liter Engine:

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168
Engine: change engine oil and oil filter	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Engine: check for leaks				•				•				•				•				•	
Battery: check				•				•				•				•				•	
Door check straps: lubricate				•				•				•				•				•	
Dust & pollen filter: replace (where applicable)				•				•				•				•				•	
Cooling system: check coolant level; add if necessary				•				•				•				•				•	
Windshield washer fluid: check level; add if necessary		•		•		•		•		•		•		•		•		•		•	
Automatic shift lock: check operation including park/neutral position switch		•		•		•		•		•		•		•		•		•		•	
Automatic transmission: check for leaks				•				•				•				•				•	
Manual transmission: check oil level; add if necessary; check for leaks				•				•				•				•				•	
Drive shafts: check boots				•				•				•				•				•	
On-Board Diagnostic system: check fault memory; erase if necessary				•				•				•				•				•	
Wheels: rotate front to rear		•		•		•		•		•		•		•		•		•		•	
Tires/spare wheel: check condition and pressure				•				•				•				•				•	
Brake system: check for damage/leaks, brake pad thickness, brake fluid level		•		•		•		•		•		•		•		•		•		•	

Continues at next page



Service Circular

2004 Scheduled Maintenance Intervals

Date: March 29, 2004
Number: VMS-04-01

2.8 Liter Engine (cont'd):

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	
Automatic transmission/final drive: check ATF; check oil level and for leaks; add if necessary								•								•						
Automatic transmission/final drive: Change ATF (<i>EuroVan only</i>)								•								•						
Front axle: check dust seals on ball joints and tie rod ends; check tie rods				•				•				•				•					•	
Headlights: check & adjust if necessary				•				•				•				•					•	
Rear spoiler: lubricate (<i>New Beetle only</i>)		•		•		•		•		•		•		•		•		•		•		
Timing belt: check																•						
Timing belt and tensioning roller: Replace (<i>Passat 2.8L V6 5-valve engines only</i>)																						•
V-belt/ribbed belt: check tension; adjust if necessary								•								•						
Spark plugs: replace								•								•						
Air cleaner: replace filter								•								•						
Exhaust system: check for damage & leaks				•				•				•				•					•	
Sunroof frame: clean and lubricate				•				•				•				•					•	
Power steering: check fluid level								•								•						
Road Test: check kickdown, braking, steering, heating and ventilation, air conditioning, power accessories and electrical systems				•				•				•				•					•	
Every 12 months, regardless of mileage (kilometers): Perform visual check on Airbag system.																						
Every 2 years, regardless of mileage (kilometers): Change brake fluid.																						



Service Circular

2004 Scheduled Maintenance Intervals

Date: March 29, 2004
Number: VMS-04-01

2.8 Liter VR6 Engine:

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168
Engine: change engine oil and oil filter	•	•		•		•		•		•		•		•		•		•		•	
Windshield washer fluid: check level; add if necessary		•		•		•		•		•		•		•		•		•		•	
Automatic shift lock: check operation including park/neutral position switch		•		•		•		•		•		•		•		•		•		•	
Brake system: check for damage/leaks, brake pad thickness, brake fluid level		•		•		•		•		•		•		•		•		•		•	
Wheels: rotate front to rear		•		•		•		•		•		•		•		•		•		•	
Engine: check for leaks				•				•				•				•				•	
Dust & pollen filter: replace (where applicable)				•				•				•				•				•	
Battery: check		•		•				•		•		•		•		•		•		•	
Automatic transmission/final drive: check ATF; check oil level and for leaks; add if necessary								•				•				•					
Cooling system: check coolant level; add if necessary				•				•				•				•				•	
Automatic transmission: check for leaks				•				•				•				•				•	
Tires/spare wheel: check condition and pressure				•				•				•				•				•	
Manual transmission: check oil level; add if necessary; check for leaks				•				•				•				•				•	
Drive shafts: check boots				•				•				•				•				•	
On-Board Diagnostic system: check fault memory; erase if necessary				•				•				•				•				•	

Continues at next page



Service Circular

2004 Scheduled Maintenance Intervals

Date: March 29, 2004
Number: VMS-04-01

2.8 Liter VR6 Engine (cont'd):

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168
Door check straps: lubricate				•				•				•				•				•	
Automatic transmission: change ATF (Eurovan only)								•								•					
Exhaust system: check for damage & leaks				•				•				•				•				•	
Front axle: check dust seals on ball joints and tie rod ends; check tie rods				•				•				•				•				•	
Headlights: check & adjust if necessary				•				•				•				•				•	
Air cleaner: replace filter								•								•					
Sunroof frame: clean and lubricate				•				•				•				•				•	
Timing belt: check																•					
Timing belt: replace																					•
Timing belt tensioner: replace																					•
V-belt/ribbed belt: check								•								•					
Spark plugs: replace								•													
Power steering: check fluid level								•								•					
Road Test: check kickdown, braking, steering, heating and ventilation, air conditioning, power accessories and electrical systems				•				•				•				•				•	
Every 12 months, regardless of mileage (kilometers): Perform visual check on Airbag system.																					
Every 2 years, regardless of mileage (kilometers): Change brake fluid.																					



Service Circular

2004 Scheduled Maintenance Intervals

Date: March 29, 2004
Number: VMS-04-01

3.2 Liter VR6 Engine:

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168
Engine: change engine oil and oil filter	•	•		•		•		•		•		•		•		•		•		•	
Windshield washer fluid: check level; add if necessary		•		•		•		•		•		•		•		•		•		•	
Haldex clutch: Change oil.								•								•					
Brake system: check for damage/leaks, brake pad thickness, brake fluid level		•		•		•		•		•		•		•		•		•		•	
Wheels: rotate front to rear		•		•		•		•		•		•		•		•		•		•	
Engine: check for leaks				•				•				•				•				•	
Dust & pollen filter: replace (where applicable)				•				•				•				•				•	
Battery: check		•		•				•		•		•		•		•		•		•	
Cooling system: check coolant level; add if necessary				•				•				•				•				•	
Tires/spare wheel: check condition and pressure				•				•				•				•				•	
Manual transmission: check oil level; add if necessary; check for leaks				•				•				•				•				•	
Drive shafts: check boots				•				•				•				•				•	
On-Board Diagnostic system: check fault memory; erase if necessary				•				•				•				•				•	

☞ Continues at next page



Service Circular

2004 Scheduled Maintenance Intervals

Date: March 29, 2004
Number: VMS-04-01

3.2 Liter VR6 Engine (cont'd):

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168
Door check straps: lubricate				•				•				•				•				•	
Exhaust system: check for damage & leaks				•				•				•				•				•	
Front axle: check dust seals on ball joints and tie rod ends; check tie rods				•				•				•				•				•	
Headlights: check & adjust if necessary				•				•				•				•				•	
Air cleaner: replace filter								•								•					
Sunroof frame: clean and lubricate				•				•				•				•				•	
Timing belt: check																•					
Timing belt: replace																					•
Timing belt tensioner: replace																					•
V-belt/ribbed belt: check								•								•					
Spark plugs: replace								•													
Power steering: check fluid level								•								•					
Road Test: check kickdown, braking, steering, heating and ventilation, air conditioning, power accessories and electrical systems				•				•				•				•				•	

Every 12 months, regardless of mileage (kilometers): Perform visual check on Airbag system.

Every 2 years, regardless of mileage (kilometers): Change brake fluid.



Service Circular

2004 Scheduled Maintenance Intervals

Date: March 29, 2004
Number: VMS-04-01

4.0 Liter W8 Engine:

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168
Engine: change engine oil and oil filter	•	•		•		•		•		•		•		•		•		•		•	
Engine: check for leaks				•				•				•				•				•	
Door check straps: lubricate				•				•				•				•				•	
Dust & pollen filter: replace (where applicable)				•				•				•				•				•	
Windshield washer fluid: check level; add if necessary		•		•		•		•		•		•		•		•		•		•	
Automatic transmission: check for leaks				•				•				•				•				•	
Automatic shift lock: check operation including park/neutral position switch		•		•		•		•		•		•		•		•		•		•	
Automatic transmission: check ATF								•								•					
Manual transmission: check oil level; add if necessary; check for leaks				•				•				•				•				•	
Drive shafts: check boots				•				•				•				•				•	
Wheels: rotate front to rear		•		•		•		•		•		•		•		•		•		•	
Tires/spare wheel: check condition and pressure				•				•				•				•				•	
Brake system: check for damage/leaks, brake pad thickness, brake fluid level		•		•		•		•		•		•		•		•		•		•	
On-Board Diagnostic system: check fault memory; erase if necessary				•				•				•				•				•	
Battery: check				•				•													

☞ Continues at next page



Service Circular

2004 Scheduled Maintenance Intervals

Date: March 29, 2004
Number: VMS-04-01

4.0 Liter W8 Engine (cont'd):

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168
Automatic transmission final drive: check oil level and for leaks; add if necessary								•				•				•					
Cooling system: check coolant level; add if necessary				•				•				•				•					•
Front axle: check dust seals on ball joints and tie rod ends; check tie rods				•				•				•				•					•
Headlights: check & adjust if necessary				•				•				•				•					•
Exhaust system: check for damage & leaks				•				•				•				•					•
Sunroof frame: clean and lubricate				•				•				•				•					•
Timing belt: check																•					
V-belt/ribbed belt: check								•								•					
Spark plugs: replace								•								•					
Air cleaner: replace filter								•								•					
Power steering: check fluid level								•								•					
Road Test: check kickdown, braking, steering, heating and ventilation, air conditioning, power accessories and electrical systems				•				•				•				•					•

Every 12 months, regardless of mileage (kilometers): Perform visual check on Airbag system.

Every 2 years, regardless of mileage (kilometers): Change brake fluid.



Service Circular

2004 Scheduled Maintenance Intervals

Date: March 29, 2004
Number: VMS-04-01

1.9 Liter TDI Engine:

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168
Engine: change engine oil and oil filter	•	•		•		•		•		•		•		•		•		•		•	
Engine: check for leaks				•				•				•				•				•	
Battery: check				•				•				•				•				•	
Door check straps: lubricate				•				•				•				•				•	
Windshield washer fluid: check level; add if necessary		•		•		•		•		•		•		•		•		•		•	
Dust & pollen filter: replace (where applicable)				•				•				•				•				•	
Automatic shift lock: check operation including park/neutral position switch		•		•		•		•		•		•		•		•		•		•	
Automatic transmission: check for leaks				•				•				•				•				•	
Manual transmission: check oil level; add if necessary; check for leaks				•				•				•				•				•	
Tires/spare wheel: check condition and pressure				•				•				•				•				•	
Wheels: rotate front to rear		•		•		•		•		•		•		•		•		•		•	
Drive shafts: check boots				•				•				•				•				•	
On-Board Diagnostic system: check fault memory; erase if necessary				•				•				•				•				•	
Brake system: check for damage/leaks, brake pad thickness, brake fluid level		•		•		•		•		•		•		•		•		•		•	
Rear spoiler: lubricate (<i>New Beetle only</i>)		•		•		•		•		•		•		•		•		•		•	

☞ Continues at next page



Service Circular

2004 Scheduled Maintenance Intervals

Date: March 29, 2004
Number: VMS-04-01

1.9 Liter TDI Engine (cont'd):

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168
Cooling system: check coolant level; add if necessary				•				•				•				•				•	
Automatic transmission: check ATF								•								•					
Direct shift transmission (DSG): change fluid								•								•					
Front axle: check dust seals on ball joints and tie rod ends; check tie rods				•				•				•				•				•	
Air cleaner: replace filter								•								•					
Headlights: check & adjust if necessary				•				•				•				•				•	
Exhaust system: check for damage & leaks				•				•				•				•				•	
Sunroof frame: clean and lubricate				•				•				•				•				•	
Power steering: check fluid level								•								•					
Water separator: drain water	•	•		•		•		•		•		•		•		•		•		•	
Fuel filter: replace				•				•				•				•				•	
Timing belt: check																•					
Timing belt: replace																				•	
V-belt/ribbed belt: check; adjust if necessary								•								•					
Road Test: check kickdown, braking, steering, heating and ventilation, air conditioning, power accessories and electrical systems				•				•				•				•				•	
Every 12 months, regardless of mileage (kilometers): Perform visual check on Airbag system.																					
Every 2 years, regardless of mileage (kilometers): Change brake fluid.																					



Service Circular

2004 Scheduled Maintenance Intervals

Date: March 29, 2004
Number: VMS-04-01

2.0 Liter TDI-PD Engine:

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168
Engine: change engine oil and oil filter	•	•		•		•		•		•		•		•		•		•		•	
Engine: check for leaks				•				•				•				•				•	
Battery: check				•				•				•				•				•	
Door check straps: lubricate				•				•				•				•				•	
Windshield washer fluid: check level; add if necessary		•		•		•		•		•		•		•		•		•		•	
Dust & pollen filter: replace (where applicable)				•				•				•				•				•	
Automatic shift lock: check operation including park/neutral position switch		•		•		•		•		•		•		•		•		•		•	
Automatic transmission: check for leaks				•				•				•				•				•	
Tires/spare wheel: check condition and pressure				•				•				•				•				•	
Wheels: rotate front to rear		•		•		•		•		•		•		•		•		•		•	
Drive shafts: check boots				•				•				•				•				•	
On-Board Diagnostic system: check fault memory; erase if necessary				•				•				•				•				•	
Brake system: check for damage/leaks, brake pad thickness, brake fluid level		•		•		•		•		•		•		•		•		•		•	

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Service Circular

2004 Scheduled Maintenance Intervals

Date: March 29, 2004
Number: VMS-04-01

2.0 Liter TDI-PD Engine (cont'd):

Miles (in thousands)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
Kilometers (in thousands)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168
Cooling system: check coolant level; add if necessary				•				•				•				•				•	
Automatic transmission: check ATF								•								•					
Front axle: check dust seals on ball joints and tie rod ends; check tie rods				•				•				•				•				•	
Air cleaner: replace filter								•								•					
Headlights: check & adjust if necessary				•				•				•				•				•	
Exhaust system: check for damage & leaks				•				•				•				•				•	
Sunroof frame: clean and lubricate				•				•				•				•				•	
Power steering: check fluid level								•								•					
Water separator: drain water	•	•		•		•		•		•		•		•		•		•		•	
Fuel filter: replace				•				•				•				•				•	
Timing belt: check																•					
Timing belt: replace																				•	
V-belt/ribbed belt: check; adjust if necessary								•								•					
Road Test: check kickdown, braking, steering, heating and ventilation, air conditioning, power accessories and electrical systems				•				•				•				•				•	
Every 12 months, regardless of mileage (kilometers): Perform visual check on Airbag system.																					
Every 2 years, regardless of mileage (kilometers): Change brake fluid.																					