



2006 FLUID CAPACITY CHART updated 7/23/13

Vehicle	Engine Oil ¹ approx. qty. w/filter change	Manual Trans	Automatic Trans ²	Differential Automatic Trans ³	Cooling System ⁴	Power Steering ⁵	Windshield Washer ⁶	A/C Refrigerant R- 134a	A/C Refrigerant Oil ⁷ (See RM for oils)
Touareg US Only	3.2L (BMX) 6.3L (6.7 qt) 4.2L (AXQ) 7.5L (7.9 qt) 5.0L (BWF) 11.5L (12.1 qt)	N/A	O9D (6 spd AWD) Approx. 9.0L (9.5 qt) See RM for filling after repairs	OAA Front Final Dr. 1.0L (1.1 qt) OAD Transfer Box 0.85L (0.9 qt) OAB/OAC Rear Final Dr. GLR 1.25L (1.3 qt) HLV 1.6L (1.7 qt)	9.0L (9.5 qt)	Fluid Capacity N/A	6.0L (6.3 qt)	Dual Zone 700+50 g (24.7 + 1.8 oz) Four Zone 1050 + 50g (37 + 1.8 oz)	Denso Dual Zone 200cc ± 10cc (6.7 ± .34 fl oz) Four Zone 300cc (10 oz)

1) Engine Oil: Only use oils meeting VW oil quality standard: VW502 00. **TDI-PD:** Use **only** oil meeting VW oil quality standard VW 504 00 / 507 00 low ash oil. Use oil viscosity 5W40 or, if not available, 5W30 or 0W40. Do not overfill! Overfilling engine oil can cause misfire DTCs to be stored in ECM (J220). To prevent overfill, add approx. 0.5L less than capacity, start engine and let run until engine operating temp is approx. 60°C (140°F), turn OFF ignition, wait approx. 3 minutes, check dipstick, then fill to MAX. See Repair Manual for details. **Turbo engines only:** After changing oil and filter, start and run engine at idle until oil pressure light goes out. DO NOT rev engine, this could cause damage/failure of the turbocharger.

2) Automatic Trans: Use VW ATF, see ETKA for fluid specifics. Lifetime filling (new fill) quantity is for reference only. Only replace after repair (i.e., when removing oil pan). See RM for details for refills.

3) Differential Automatic Trans: See ETKA for fluid specifics. Lifetime fill (new fill) quantity for reference only. Only replace after repair. See RM for new fill capacity - varies by differential code/engine.

4) Cooling System: Use phosphate-free coolant G 012 A8F A4 [G12+ (purple), Valvoline G12 (purple) is really G12+). Note the following mixing combinations: G11 (green) & G12 (pink) **NO**; G11 & Valvoline G12 **OK**; G11 & G12+ **OK**; G12 & Valvoline G12 **OK**; G11 & G12 & G12+ **NO**; G11 & G12 & Valvoline G12 **NO**. Frost protection is required down to approx. -25°C (-13°F). In countries with arctic climates, frost protection is required down to approx. -35°C (-31°F). The anti-freeze ratio must be a minimum of 40%, otherwise frost protection is reduced. The recommended mixture ratio is 50:50. If greater frost protection is required (very cold climates), the amount of G 012 A8F A4 can be increased, but only up to 60%. This provides frost protection to approx. -40°C (-40°F). Do not reduce the coolant concentration by adding water, even in warmer seasons/countries, as cooling effectiveness will be reduced.

5) Power Steering: Hydraulic oil G 002 000. Do not use ATF.

6) Windshield Washer: Concentrated ZVW 177 901/ 903/ 904/ 906.

7 A/C Refrigerant Oil: Use PAG oil, Part No. G 052 300 A2, with R-134a w/Denso compressor.

Note: Part Nos. are for reference only. Always check with your Parts Dept for the latest parts information.



2006 FLUID CAPACITY CHART updated 7/23/13

Vehicle	Engine Oil ¹ approx. qty. w/filter change	Manual Trans	Automatic Trans ²	Differential Automatic Trans ³	Cooling System ⁴	Power Steering ⁵	Windshield Washer	A/C Refrigerant R-134a	A/C Refrigerant Oil ⁶ (See RM for oils)
Phaeton	4.2L (BGH) 7.5L (7.9 qt)	N/A	09L New Fill: 9.8L (10.4 qt)	09L Front Final 1.1L (1.2 qt) Transfer Gear 0.55L (0.58 qt) 08Y Rear Final 1.1L (1.2 qt)	BGH 9.0L (9.5 qt)	0.7 – 0.9L (0.74-0.95 qt)	6.0L (6.3 qt)	600 ± 25 g (21 ± 0.9 oz)	Denso 200 cc ± 10 cc (6.76 ± 0.34 fl oz)
	6.0L (BRP) 11.8L (12.5 qt)		01L New Fill: 9.8L (10.4 qt)	01L Front Final 1.3L (1.4 qt) Transfer Gear 0.8L (0.8 qt) 01R Rear Final 1.5L (1.6 qt)	BRP 17.0L (18.0 qt)				

1) Engine Oil: Only use oils meeting VW oil quality standard: VW502 00. Use oil viscosity 5W40 or, if not available, 5W30 or 0W40. Do not overfill! Overfilling engine oil can cause misfire DTCs to be stored in ECM (J220). To prevent overfill, add approx. 0.5L less than capacity, start engine and let run until engine operating temp is approx. 60°C (140°F), turn OFF ignition, wait approx. 3 minutes, check dipstick, then fill to MAX. See Repair Manual for details

2) Automatic Trans: Use VW ATF, see ETKA for fluid specifics. Lifetime filling (new fill) quantity is for reference only. Only replace after repair (i.e., when removing oil pan). See RM for details for refills. **09L**: Use G 055 005 A.

3) Differential Automatic Trans: Use synthetic gear oil, SAE 75W90, Part No. G 052 145 A2. Lifetime fill (new fill) quantity for reference only. Only replace after repair. See RM for new fill capacity – varies by differential code/engine.

4) Cooling System: Use phosphate-free coolant G 012 A8F A4 [G12+ (purple), Valvoline G12 (purple) is really G12+). Note the following mixing combinations: G11 (green) & G12 (pink) **NO**; G11 & Valvoline G12 **OK**; G11 & G12+ **OK**; G12 & Valvoline G12 **OK**; G11 & G12 & G12+ **NO**; G11 & G12 & Valvoline G12 **NO**. Frost protection is required down to approx. -25°C (-13°F). In countries with arctic climates, frost protection is required down to approx. -35°C (-31°F). The anti-freeze ratio must be a minimum of 40%, otherwise frost protection is reduced. The recommended mixture ratio is 50:50. If greater frost protection is required (very cold climates), the amount of G 012 A8F A4 can be increased, but only up to 60%. This provides frost protection to approx. -40°C (-40°F). Do not reduce the coolant concentration by adding water, even in warmer seasons/countries, as cooling effectiveness will be reduced.

5) Power Steering: Hydraulic oil G 002 000. Do not use ATF.

6) A/C Refrigerant Oil: Use PAG oil, Part No. G 052 300 A2, with R-134a w/Denso compressor.

Note: Part Nos. are for reference only. Always check with your Parts Dept for the latest parts information.



2006 FLUID CAPACITY CHART updated 7/23/13

Vehicle	Engine Oil ¹ approx. qty. w/filter change	Manual Trans ²	Automatic Trans ³	Differential Automatic Trans	Cooling System ⁴	Power Steering	Brake Fluid ⁵	A/C Refrigerant R-134a	A/C Refrigerant Oil ⁶ (See RM for oils)
Passat	2.0T (BPY) 4.6L (4.9 qt)	BPY 6 Spd FWD 02Q 2.3L (2.4 qt)	BPY 6 Spd FWD 09G New fill: 7.2L (7.6 qt) Re-fill: Approx: 5.2L (5.5 qt)	With 09G/09M Capacity included w/auto transmission See RM for filling after repairs	2.0T (BPY) 7.2L (7.6 qt) 3.6L (BLV) 8.0L (8.5 qt)	Electro- mechanical (no fluid)	1.15L (1.2 qt)	600 +25 g (21 + 0.9 oz)	Sanden 110 cc + 10 cc (4.1 + 0.5 fl oz) Zexel 120 cc + 15 cc (4.1 + 0.5 fl oz)
Passat Wagon	3.6L (BLV) 5.5L (5.8 qt)		BLV 6 Spd AWD 09M New fill: 7.0L (7.4 qt)						

1) Engine Oil: Only use oils meeting VW oil quality standard: VW502 00. Use oil viscosity 5W40 or, if not available, 5W30 or 0W40. Do not overfill! Overfilling engine oil can cause misfire DTCs to be stored in ECM (J220). To prevent overfill, add approx. 0.5L less than capacity, start engine and let run until engine operating temp is approx. 60°C (140°F), turn OFF ignition, wait approx. 3 minutes, check dipstick, then fill to MAX. See Repair Manual for details. **Turbo engines only:** After changing oil and filter, start and run engine at idle until oil pressure light goes out. DO NOT rev engine, this could cause damage/failure of the turbocharger.

2) Manual Trans: See ETKA for fluid specifics. Use Part No. G 052 171 A2.

3) Automatic Trans: Use VW ATF, see ETKA for fluid specifics. Lifetime filling (new fill) quantity is for reference only. Only replace after repair (i.e., when removing oil pan). See RM for details for refills. **09G/09M:** Use G 055 025 A2.

4) Cooling System: Use phosphate-free coolant G 012 A8F A4 [G12+ (purple), Valvoline G12 (purple) is really G12+]. Note the following mixing combinations: G11 (green) & G12 (pink) **NO**; G11 & Valvoline G12 **OK**; G11 & G12+ **OK**; G12 & Valvoline G12 **OK**; G11 & G12 & G12+ **NO**; G11 & G12 & Valvoline G12 **NO**. Frost protection is required down to approx. -25°C (-13°F). In countries with arctic climates, frost protection is required down to approx. -35°C (-31°F). The anti-freeze ratio must be a minimum of 40%, otherwise frost protection is reduced. The recommended mixture ratio is 50:50. If greater frost protection is required (very cold climates), the amount of G 012 A8F A4 can be increased, but only up to 60%. This provides frost protection to approx. -40°C (-40°F). Do not reduce the coolant concentration by adding water, even in warmer seasons/countries, as cooling effectiveness will be reduced.

5) Brake Fluid: Use only the NEW brake fluid VW 501 14 B 000 750 (meeting spec TL 766-Z DOT4). Current brake fluid B 000 700 A must **NOT** be filled in the Passat brake system.

6) A/C Refrigerant Oil: Use PAG oil, Part No. G 052 154 A2 with R-134a w/Sanden compressor and G 052 200 A2 with Zexel compressor.

Note: Part Nos. are for reference only. Always check with your Parts Dept for the latest parts information.



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Vehicle	Engine Oil ¹ approx. qty. w/filter change	Manual Trans ²	Automatic Trans ³	Differential Automatic Trans ⁴	Cooling System ⁵	Power Steering ⁶	Windshield Washer ⁷	A/C Refrigerant R-134a	A/C Refrigerant Oil ⁸ (See RM for oils)
Rabbit	2.5L (BGP/BGQ) 5.5L (5.8 qt)	BGP/BGQ 0A4 - 5-Speed 1.9L (2.0 qt)	BGP/BGQ 09G - 6-Speed 7.0L (7.4 qt)	09G / 02E Capacity included w/auto transmission	BGP/BGQ 9.5L (10 qt)	Electro- mechanical (no fluids)	3.0L (3.2 qt)	750 + 50 g (26 + 1.8 oz)	Sanden 135cc ± 15cc (4.6 ± 0.5 fl oz) Zexel 115cc ± 20cc (3.9 ± 0.7 fl oz)
GTI	1.8T (AWP) 4.5L (4.8 qt) 2.0T (BPY) 4.6L (4.9 qt)	BPY - 02Q 6-Spd AWD 2.3L (2.4 qt) AWP/BEW/BEV 02J - 5-Speed 2.0L (2.1 qt)	BPY - 02E 6-Spd FWD New fill: 7.2L (7.6 qt) Re-fill: 5.2L (5.5 qt)		AWP 5.0L (5.3 qt) BPY 7.6L (8.0 qt)				
Golf	1.9 TDI (BEW) 4.3L (4.4 qt) 2.0L (BEV) 4.2L (4.4 qt)		BEV 01M - 4-Speed 5.3 L (5.6 qt)		BEV - 01M Final Drive 0.75L (0.79 qt)				

1) Engine Oil: Only use oils meeting VW oil quality standard: VW502 00. Use oil viscosity 5W40 or, if not available, 5W30 or 0W40. Do not overfill! Overfilling engine oil can cause misfire DTCs to be stored in ECM (J220). To prevent overfill, add approx. 0.5L less than capacity, start engine and let run until engine operating temp is approx. 60°C (140°F), turn OFF ignition, wait approx. 3 minutes, check dipstick, then fill to MAX. See Repair Manual for details. **Turbo engines only:** After changing oil and filter, start and run engine at idle until oil pressure light goes out. DO NOT rev engine, this could cause damage/failure of the turbocharger.

2) Manual Trans: **02Q:** Use synthetic oil, SAE 75W90, Part No. G 052 911 A1. **0A4:** See ETKA for fluid specifics.

3) Automatic Trans: Use VW ATF, see ETKA for fluid specifics. Lifetime filling (new fill) quantity is for reference only. Only replace after repair (i.e., when removing oil pan). See RM for details for refills. **02E:** Use G 052 182 A2. **09G:** Use G 052 025 A2.

4) Differential Automatic Trans: See ETKA for fluid specifics. Lifetime fill (new fill) quantity for reference only. Only replace after repair. See RM for new fill capacity - varies by differential code/engine. **09G/02E:** Capacity included w/auto transmission.

5) Cooling System: Use phosphate-free coolant G 012 A8F A4 [G12+ (purple), Valvoline G12 (purple) is really G12+]. Note the following mixing combinations: G11 (green) & G12 (pink) **NO**; G11 & Valvoline G12 **OK**; G11 & G12+ **OK**; G12 & Valvoline G12 **OK**; G11 & G12 & G12+ **NO**; G11 & G12 & Valvoline G12 **NO**. Frost protection is required down to approx. -25°C (-13°F). In countries with arctic climates, frost protection is required down to approx. -35°C (-31°F). The anti-freeze ratio must be a minimum of 40%, otherwise frost protection is reduced. The recommended mixture ratio is 50:50. If greater frost protection is required (very cold climates), the amount of G 012 A8F A4 can be increased, but only up to 60%. This provides frost protection to approx. -40°C (-40°F). Do not reduce the coolant concentration by adding water, even in warmer seasons/countries, as cooling effectiveness will be reduced.

6) Power Steering: Hydraulic oil G 002 000. Do not use ATF.

7) Windshield Washer: Use concentrated ZVW 177 901/903/904/906.

8) A/C Refrigerant Oil: Use PAG oil, Part No. G 052 154 A2 with R-134a w/Sanden compressor; G 052 200 A2 with Zexel.

Note: Part Nos. are for reference only. Always check with your Parts Dept for the latest parts information.



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Vehicle	Engine Oil ¹ approx. qty. w/filter change	Manual Trans ²	Automatic Trans ³	Differential Automatic Trans ⁴	Cooling System ⁵	Power Steering ⁶	Windshield Washer	A/C Refrigerant R- 134a	A/C Refrigerant Oil ⁷ (See RM for oils)
Jetta	2.0T (BPY) 4.6L (4.9 qt)	02Q 6-Spd AWD 2.3L (2.4 qt)	BPY/BRM 02E 6-Spd FWD New fill: 7.2L (7.6 qt) Re-fill: Approx: 5.2L (5.5 qt)	BPY/BRM 02E Capacity included w/auto transmission 09G Capacity included w/auto transmission	BPY 8.0L (8.5 qt)	Electro- mechanical (no fluids)	3.0L (3.2 qt) Use concentrated ZVW 177 901/903/904/906	All Eng Codes Sanden 525 + 25 g (18.5 + 0.9 oz)	All Eng Codes Sanden 110cc ± 10cc
	BRM 8.0L (8.5 qt)								
	BGP/BGQ 9.5L (10 qt)								
	1.9 TDI (BRM) 4.3L (4.5 qt)	BRM/BGP/BGQ 0A4 5-Speed 1.9L (2.0 qt)							
	2.5L (BGP/BGQ) 6.0L (6.3 qt)		BGP/BGQ 09G 6-Speed 7.0L (7.4 qt)						

- 1) Engine Oil: Only use oils meeting VW oil quality standard: VW502 00. Use oil viscosity 5W40 or, if not available, 5W30 or 0W40. Do not overfill! Overfilling engine oil can cause misfire DTCs to be stored in ECM (J220). To prevent overfill, add approx. 0.5L less than capacity, start engine and let run until engine operating temp is approx. 60°C (140°F), turn OFF ignition, wait approx. 3 minutes, check dipstick, then fill to MAX. See Repair Manual for details. **Turbo engines only:** After changing oil and filter, start and run engine at idle until oil pressure light goes out. DO NOT rev engine, this could cause damage/failure of the turbocharger.
- 2) Manual Trans: **02Q:** Use synthetic oil, SAE 75W90, Part No. G 052 911 A1. **0A4:** See ETKA for fluid specifics.
- 3) Automatic Trans: Use VW ATF, see ETKA for fluid specifics. Lifetime filling (new fill) quantity is for reference only. Only replace after repair (i.e., when removing oil pan). See RM for details for refills. **02E:** Use G 052 182 A2. **09G:** Use G 052 025 A2.
- 4) Differential Automatic Trans: See ETKA for fluid specifics. Lifetime fill (new fill) quantity for reference only. Only replace after repair. See RM for new fill capacity - varies by differential code/engine.
- 5) Cooling System: Use phosphate-free coolant G 012 A8F A4 [G12+ (purple), Valvoline G12 (purple) is really G12+]. Note the following mixing combinations: G11 (green) & G12 (pink) **NO**; G11 & Valvoline G12 **OK**; G11 & G12+ **OK**; G12 & Valvoline G12 **OK**; G11 & G12 & G12+ **NO**; G11 & G12 & Valvoline G12 **NO**. Frost protection is required down to approx. -25°C (-13°F). In countries with arctic climates, frost protection is required down to approx. -35°C (-31°F). The anti-freeze ratio must be a minimum of 40%, otherwise frost protection is reduced. The recommended mixture ratio is 50:50. If greater frost protection is required (very cold climates), the amount of G 012 A8F A4 can be increased, but only up to 60%. This provides frost protection to approx. -40°C (-40°F). Do not reduce the coolant concentration by adding water, even in warmer seasons/countries, as cooling effectiveness will be reduced.
- 6) Power Steering: Hydraulic oil G 002 000. Do not use ATF.
- 7) A/C Refrigerant Oil: Use PAG oil, Part No. G 052 154 A2 with R-134a w/Sanden compressor.

Note: Part Nos. are for reference only. Always check with your Parts Dept for the latest parts information.



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Vehicle	Engine Oil ¹ approx. qty. w/filter change	Manual Trans ²	Automatic Trans ³	Differential Automatic Trans ⁴	Cooling System ⁵	Power Steering ⁶	Windshield Washer ⁷	A/C Refrigerant R-134a	A/C Refrigerant Oil ⁸ (See RM for oils)
New Beetle New Beetle Convertible	2.5L (BPS/BPR) 6.0L (6.3 qt)	0A4 5-Speed 1.8L (2.0 qt)	09G 6-Spd FWD 7.0L (7.4 qt)	09G/02E Capacity included w/auto transmission	9.5L (10.0 qt)	0.7 – 0.9L (11.8-15.2 oz)	2.0L (2.2 qt)	700 + 50 g (24.7 +1.8 oz)	135cc (4.6 fl oz)
New Beetle Only	1.9L (BEW) 4.3L (4.5 qt)		02E 6-Speed DSG 7.2L (7.4 qt)		6.0L (6.3 qt)				

1) Engine Oil: Only use oils meeting VW oil quality standard: VW502 00. Use oil viscosity 5W40 or, if not available, 5W30 or 0W40. Do not overfill! Overfilling engine oil can cause misfire DTCs to be stored in ECM (J220). To prevent overfill, add approx. 0.5L less than capacity, start engine and let run until engine operating temp is approx. 60°C (140°F), turn OFF ignition, wait approx. 3 minutes, check dipstick, then fill to MAX. See Repair Manual for details

2) Manual Trans: **0A4**: See ETKA for fluid specifics.

3) Automatic Trans: Use VW ATF, see ETKA for fluid specifics. Lifetime filling (new fill) quantity is for reference only. Only replace after repair (i.e., when removing oil pan). See RM for details for refills. **02E**: Use G 052 182 A2.

4) See ETKA for fluid specifics. Lifetime fill (new fill) quantity for reference only. Only replace after repair. See RM for new fill capacity - varies by differential code/engine.

5) Cooling System: Use phosphate-free coolant G 012 A8F A4 [G12+ (purple), Valvoline G12 (purple) is really G12+]. Note the following mixing combinations: G11 (green) & G12 (pink) **NO**; G11 & Valvoline G12 **OK**; G11 & G12+ **OK**; G12 & Valvoline G12 **OK**; G11 & G12 & G12+ **NO**; G11 & G12 & Valvoline G12 **NO**. Frost protection is required down to approx. -25°C (-13°F). In countries with arctic climates, frost protection is required down to approx. -35°C (-31°F). The anti-freeze ratio must be a minimum of 40%, otherwise frost protection is reduced. The recommended mixture ratio is 50:50. If greater frost protection is required (very cold climates), the amount of G 012 A8F A4 can be increased, but only up to 60%. This provides frost protection to approx. -40°C (-40°F). Do not reduce the coolant concentration by adding water, even in warmer seasons/countries, as cooling effectiveness will be reduced.

6) Power Steering: Hydraulic oil G 002 000. Do not use ATF.

7) Windshield Washer: Use concentrated ZVW 177 901/903/904/906.

8) A/C Refrigerant Oil: **NBC (BPS/BPR)**: Use PAG oil, Part No. G 052 154 A2 with R-134a w/Sanden compressor.

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