



2007 FLUID CAPACITY CHART updated 11 April 2011



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	Brake Fluid	A/C Refrigerant R-134a	A/C Refrigerant Oil
A4 Sedan Avant Cabriolet Quattro	2.0T (BWT) 4.5L (4.8 qt)	BWT 6-Spd FWD 01X 3.0L (3.2 qt) BWT/BKH 6-Spd Quattro 02X 3.5L (3.7 qt) 02X - OAR Rear Final Drive 0.9L (0.9 qt)	BWT/BKH 01J (CVT) New fill: 7.5L (7.9 qt) BWT/BKH/BHF 09L 6-Spd AWD 9.8L (10.3 qt)	01J (CVT) Front Diff: 1.3L (1.37 qt) 09L 6-Spd AWD Front final 1.1L (1.2 qt) Transfer Case .55L (0.6 qt) OAR Rear Final 0.9L (0.9 qt)	BWT/BKH 9.0L (9.5 qt) BHF 12.2L (12.9 qt) See RM for proper filling with Coolant System Charge Unit VAS 6096	See RM for proper filling information.	1.0L (1.1 qt) Not including amt siphoned from brake fluid reservoir Note: A small add'l amt. may be needed to top off to max. mark on vehicle brake fluid reservoir.	500g ± 20g (17.6 ± 0.7 oz) Only use R134a	120cc ± 10cc (6.1oz ± 0.3 oz) Use PAG oil, G 052 300 A2, with R-134a
	S4 Cabriolet	4.2L (BHF) 9.0L (9.5 qt)	0A3 6-Spd AWD 3.2L (3.5 qt) 0A3 - OAR Rear Final Drive 0.9L (0.9 qt)						

1) Engine Oil: Only use oils meeting VW oil quality standard VW502 00. If VW502 00 is not available you may use oil (synthetic preferred) meeting either ACEA A3, A5 or B5; API SL; or ILSAC GF-3 for topping off only (not more than 0.5 qt/ltr). Do not overfill! Overfilling engine oil can cause misfire DTCs to be stored in ECM (J220). To prevent overfilling, 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. Viscosity 5W40, 5W30 or 0W40. **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 turbocharger.

2) Manual Trans: Use synthetic oil, SAE 75W90, Part No. G 052 911 A.

3) Automatic Trans: Lifetime filling, new fill quantities are for reference only. Only replace after repair (i.e., when removing oil pan). See RM for details. Use VW ATF. **01J (CVT):** Only use G 052 180 A2. **09L:** Use G 055 005 A2.

4) Differential Automatic Trans: **09L:** Use synthetic oil, SAE 75W90, Part No. G052 145 S2. **01J(CVT):** Only use G052 190 A2.

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. Do not reuse drained fluid.

7) Brake Fluid: Use new brake fluid in accordance with US Standard FMVSS 116 Dot 4. See ETKA for fluid specifics. Always siphon some brake fluid from reservoir before replacing brake pads. **Refer to Warnings and notes in RM – brake section, before working on hydraulic system.**

Note: Part Numbers 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	Cooling System ⁴	Power Steering	Brake Fluid ⁵	A/C Refrigerant R-134a	A/C Refrigerant Oil ⁶ (See RM for oils)
A3	2.0T (BPY) 4.6L (4.9 qt) 3.2L (BUB) 5.5L (5.8 qt)	BPY 02Q 2.3L (2.4 qt)	BPY/BUB 02E New Fill: 7.2L (7.6 qt)	02E – 02D New Fill: Rear Final Dr 0.95L (1.0 qt) Haldex Clutch 0.85L (0.9 qt) Capacity included w/auto transmission See RM for filling after repairs	2.0 (BPY) At least 8.0L (8.5 qt) 3.2L (BUB) At least 10.0L (10.6 qt)	Electro- mechanical (no fluid)	1.0L (1.06 qt)* *With brake fluid extracted from brake fluid reservoir and exchange amount for the hydraulic clutch system.	525g ± 25g (18.5 ± 0.9oz)	Use PAG oil with R134a Denso 140cc ± 10cc (4.7 ± 0.3 fl oz) Sanden 110cc ± 10cc (3.7 ± 0.3 fl oz) Zexel 120cc ± 10cc (4.7 ± 0.3 fl oz)

1) Engine Oil: Only use oils meeting VW oil quality standard VW502 00. If VW502 00 is not available you may use oil (synthetic preferred) meeting either ACEA A3, A5 or B5; API SL; or ILSAC GF-3 for topping off only (not more than 0.5 qt/ltr). Do not overfill! Overfilling engine oil can cause misfire DTCs to be stored in ECM (J220). To prevent overfilling, 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. Viscosity 5W40, 5W30 or 0W40. **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 turbocharger.

2) Manual Trans: Use synthetic oil, SAE 70W75, Part No. G 052 171 A2.

3) Automatic Trans: Lifetime filling, new fill quantities are for reference only. Only replace after repair (i.e., when removing oil pan). See RM for details. Use VW ATF. **02E:** 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 new brake fluid in accordance with US Standard FMVSS 116 Dot 4. See ETKA for fluid specifics. Always siphon some brake fluid from reservoir before replacing brake pads. **Refer to Warnings and notes in RM – brake section, before working on hydraulic system.**

6) 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; G 052 300 A2 with Denso.

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Vehicle	Engine Oil ¹ approx. qty. w/filter change	Manual Trans ²	Automatic Trans	Differential Automatic Trans	Cooling System ³	Power Steering ⁴	Brake Fluid ⁵	A/C Refrigerant R-134a	A/C Refrigerant Oil ⁶ See RM for oils
RS4	4.2L (BNS) 8.0L (8.5 qt)	6-Spd Quattro 0A3 3.2L (3.5 qt) Rear Final Drive 0AR 0.9L (0.95 qt)	N/A	N/A	11.5L (12.2 qt) See RM for proper filling with Coolant System Charge Unit VAS 6096	Fluid Capacity N/A See RM for proper filling information.	2.0L (2.1 qt) Not including amount siphoned from brake fluid reservoir. Note: A small add'l amt. may be needed to top off to max. mark on vehicle brake fluid reservoir.	650 g ± 50 g (22.9 ± 1.8 oz)	Fluid Capacity N/A

1) Engine Oil: Only use oils meeting VW oil quality standard VW502 00. If VW502 00 is not available you may use oil (synthetic preferred) meeting either ACEA A3, A5 or B5; API SL; or ILSAC GF-3 for topping off only (not more than 0.5 qt/ltr). Do not overfill! Overfilling engine oil can cause misfire DTCs to be stored in ECM (J220). To prevent overfilling, 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. Viscosity 5W40, 5W30 or 0W40. **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 turbocharger.

2) Manual Trans: Use synthetic oil, SAE 75W90, Part No. G 052 911 A1. Use gear oil G 052 145 S2 for rear final drive.

3) 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.

4) Power Steering: Hydraulic oil G 002 000. Do not use ATF. Do not reuse drained fluid.

5) Brake Fluid: Use new brake fluid in accordance with US Standard FMVSS 116 Dot 4. See ETKA for fluid specifics. Always siphon some brake fluid from reservoir before replacing brake pads. **Refer to Warnings and notes in RM – brake section, before working on hydraulic system.**

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

Note: Part Numbers 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	Automatic Trans ²	Differential Automatic Trans ³	Cooling System ⁴	Power Steering ⁵	Brake Fluid ⁶	A/C Refrigerant R-134a	A/C Refrigerant Oil ⁷ (See RM for oils)
A6 Quattro	3.2L (BKH) 6.5L (6.9 qt)	N/A	BKH - 09L 6-Spd AWD New fill: 9.0L (9.5 qt) Change: 3.5-4.0L (3.7-4.2 qt)	BKH/BVJ 09L (AWD) Front Diff: 1.1L (1.2 qt) Transfer gear: 0.55 L (0.6 qt) 01R (09L AWD) Rear Diff: 1.5L (1.6 qt) 0AR Rear Final Dr. 0.9L (0.9 qt)	BKH 9.6L (10.1 qt)	Fluid Capacity N/A	1.0L (1.06 qt)	530 g ± 20 g (18.7 ± 0.7 fl oz)	Denso 130cc ± 10cc (4.4 ± 0.3 fl oz)
FWD	4.2L (BVJ) 8.4L (8.9 qt)		BVJ - 09L 6-Spd AWD New fill: 9.8L (10.3 qt)	01R (09L AWD) Rear Diff: 1.5L (1.6 qt) 0AR Rear Final Dr. 0.9L (0.9 qt)	BVJ 12.0L (12.7 qt)	See RM for proper filling information	Note: Includes amount extracted from brake fluid reservoir.	Only use R-134a	Use PAG oil with R-134a
S6	5.2L (BXA) 10.0L (10.6 qt)	N/A	09E 6-Spd AWD New fill: 10.4L (11 qt)	Front Final Drive 1.2L (1.3 qt) Transfer Case 1.1L (1.2 qt) 01R Rear Final Dr. 1.5L (1.6 qt) 0AR Rear Final Dr. 0.9L (0.9 qt)	15.0L (15.9 qt)				

1) Engine Oil: Only use oils meeting VW oil quality standard VW502 00. If VW502 00 is not available you may use oil (synthetic preferred) meeting either ACEA A3, A5 or B5; API SL; or ILSAC GF-3 for topping off only (not more than 0.5 qt/ltr). Do not overfill! Overfilling engine oil can cause misfire DTCs to be stored in ECM (J220). To prevent overfilling, 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. Viscosity 5W40, 5W30 or 0W40.

2) Automatic Trans: Lifetime filling, new fill quantities are for reference only. Only replace after repair (i.e., when removing oil pan). See RM for details. Use VW ATF. **01J (CVT):** Only use G 052 180 A2. **09L:** Use G 055 005 A2.

3) Differential Automatic Trans: **09L:** Use synthetic oil, SAE 75W90, Part No. G052 145 S2. **01J(CVT):** Only use G052 190 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) Power Steering: Hydraulic oil G 002 000. Do not use ATF. Do not reuse drained fluid.

6) Brake Fluid: Use new brake fluid in accordance with US Standard FMVSS 116 Dot 4. See ETKA for fluid specifics. Always siphon some brake fluid from reservoir before replacing brake pads. **Refer to Warnings and notes in RM – brake section, before working on hydraulic system.**



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Vehicle	Engine Oil ¹ approx. qty. w/filter change	Manual Trans	Automatic Trans ² New Fill	Differential Automatic Trans ³ New Fill	Cooling System ⁴	Power Steering ⁵	Brake Fluid ⁶	A/C Refrigerant R-134a	A/C Refrigerant Oil ⁷ (See RM for oils)
A8 / A8L	4.2L (BVJ) 8.4L (8.9 qt)	N/A	09L 6-Spd AWD 9.8L (10.3 qt)	Front final 1.1L (1.2 qt) Transfer Case .55L (0.6 qt) 01R/08V Rear final 1.5L (1.6 qt) OAR Rear Final 0.9L (0.9 qt)	12.0L (12.7 qt)	Fluid Capacity N/A See RM for proper filling information	1.0L (1.06 qt)* *With brake fluid extracted from brake fluid reservoir and exchange amount for the hydraulic clutch system.	620g ± 20g (21.9 ± 0.71oz)	150cc ± 10cc (5.1oz ± 0.3oz)
S8	5.2L (BSM) 10.0L (10.6 qt)		BSM – 09G 7.0L (7.4 qt) BSM/BSB 09E 6-Spd Quattro 10.4L (11 qt)	09E Front Diff. 1.2L (1.3 qt) Center Diff. 1.1L (1.2 qt) 01R Rear Final 1.5L (1.6 qt) OAR Rear Final 0.9L (0.9 qt)	15.6L (16.5 qt)				
A8L W12	6.0L (BSB) 12.5L (13.0 qt)					18.9L (20 qt)			

- 1) Engine Oil: Only use oils meeting VW oil quality standard VW502 00. If VW502 00 is not available you may use oil (synthetic preferred) meeting either ACEA A3, A5 or B5; API SL; or ILSAC GF-3 for topping off only (not more than 0.5 qt/ltr). Do not overfill! Overfilling engine oil can cause misfire DTCs to be stored in ECM (J220). To prevent overfilling, 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. Viscosity 5W40, 5W30 or 0W40.
- 2) Automatic Trans: New fill quantities are for reference only. Only replace after repair (i.e., when removing oil pan). See RM for details. See ETKA for oil fluid specifics.
- 3) Differential Automatic Trans: See ETKA for oil fluid specifics. **09G**: Capacity included w/auto transmission.
- 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. Do not reuse drained fluid.
- 6) Brake Fluid: Use new brake fluid in accordance with US Standard FMVSS 116 Dot 4. See ETKA for fluid specifics. Always siphon some brake fluid from reservoir before replacing brake pads. **Refer to Warnings and notes in RM – brake section, before working on hydraulic system.**
- 7) A/C Refrigerant Oil: Use PAG oil, Part No. G 052 300 A2, with R-134a.

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Vehicle	Engine Oil ¹ approx. qty. w/filter change	Manual Trans	Automatic Trans ²	Differential Automatic Trans ³	Cooling System ⁴	Power Steering ⁵	Brake Fluid ⁶	A/C Refrigerant R-134a	A/C Refrigerant Oil ⁷ (See RM for oils)
Q7	3.6L (BHK) 6.9L (7.3 qt)	N/A	0AT 6-Spd AWD New Fill: 9.0L (9.5 qt)	OAT/09D 0AQ Transfer Case 0.8L (0.85 qt) OAA Front Final Dr. 1.0L (1.06 qt) 0AB Rear Final Dr. 1.25L (1.25 qt)	9.0L (9.5 qt) See RM for proper filling with Coolant System Charge Unit VAS 6096	Fluid Capacity N/A See RM for proper filling information	1.0L (1.06 qt) Not including amt siphoned from brake fluid reservoir. Note: A small add'l amount may be needed to top off to max mark on vehicle brake fluid reservoir.	One evaporator 500g ± 50g (19.2oz ± 1.8oz) Two evaporators 1050g ± 50g (37oz ± 1.8oz)	One evaporator 145cc ± 15cc (4.9oz ± 0.5oz) Two evaporators 245cc ± 15cc (8.3oz ± 0.5oz)
	4.2L (BAR) 9.2L (9.7 qt)	N/A	09D 6-Spd AWD New Fill: 9.0L (9.5 qt)						

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2) Automatic Trans: New fill quantities are for reference only. Only replace after repair (i.e., when removing oil pan). See RM for details. See ETKA for oil fluid specifics.

3) Differential Automatic Trans: See ETKA for oil fluid specifics.

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. Do not reuse drained fluid.

6) Brake Fluid: Use new brake fluid in accordance with US Standard FMVSS 116 Dot 4. See ETKA for fluid specifics. Always siphon some brake fluid from reservoir before replacing brake pads. **Refer to Warnings and notes in RM – brake section, before working on hydraulic system.**

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

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