



# FLUID CAPACITY CHART



MY / VEHICLE	ENGINE OIL <sup>[1]</sup> (Rev 10/04)	MANUAL TRANS. <sup>[2]</sup>	AUTOMATIC TRANS. <sup>[3]</sup>	DIFFERENTIAL AUTOMATIC TRANS. <sup>[4]</sup>	COOLING SYSTEM <sup>[5]</sup>	POWER STEERING <sup>[6]</sup>	BRAKE FLUID <sup>[7]</sup>	A/C REFRIGERANT R-134a	A/C REFRIGERANT OIL
2004  A4, A4 Cabriolet    S4	w/Filter Change  <b>3.0(AVK)</b> 6.4L (6.8 qt.)  <b>*1.8T(AMB)</b> See " * " below 4.1L (4.3qt.)  <b>4.2(BHF)</b> 9.0L(9.5 qt.)	<b>012 (5 Spd FWD)</b> 2.25L (2.4qt.) <b>02X (6 spd AWD)</b> 3.5L(3.7qt.) <b>0A3 (6 spd AWD)</b> 3.2L(3.5qt.)  <b>Rear Final Drive</b> <b>01R ( AWD/FWD)</b> 1.9L (2.01 qt.)  <b>012/01W (FWD)</b> 2.25L (2.38 qt.)	<b>01V</b> <b>New Fill:</b> 9.0L (9.5 qt.) Change: Approx. 2.6 – 3.0L (2.7 – 3.2 qt.) <b>01J (CVT)</b> <b>New Fill:</b> 7.5L ( 7.9 qt. ) <b>Change:</b> 4.5–5.0L (4.8–5.3 qt. )	<b>01V (FWD,AWD)</b> <b>Front Diff (AWD)</b> <b>New Fill:</b> Approx. 0.8L (0.85 qt.) <b>Center Diff.( AWD)</b> <b>New Fill:</b> Approx. 0.8L (0.85 qt.) <b>01R (AWD/FWD)</b> <b>Rear Diff.</b> <b>New Fill:</b> Approx. 1.5L (1.58 qt.) <b>01J (CVT)</b> <b>Front Diff:</b> Approx. 1.3L (1.37 qt.)	<b>3.0L (AVK)</b> 8.0L (8.5 qt.) <b>1.8L (AMB)</b> 7.0L (7.4 qt.)	0.7L–0.9L (12 oz.–15 oz.)	2.0L (2.1qt.)  Not including amount siphoned from brake fluid reservoir  <b>Note:</b> A small additional amount may be needed to top off to max. indication on vehicle brake fluid reservoir.	480g + 50g (19.2oz.+1.8oz.) (only use R134a)	Use PAG Oil with R134a  180cc ± 10cc (6.1 oz. ± 0.3 oz.)  Use PAG oil, Pt no. G 052 300 A2

<sup>[1]</sup> ENGINE OIL: **Approximate quantities!** Use "API SERVICE SJ.", ACEA A2 or ACEA A3. Do not overfill! Overfilling engine oil can cause misfire DTC's to be stored in Engine Control Module (ECM) -J220-. To prevent overfilling, add approx. 0.5L less than capacity, start engine and let run until engine operating temperature is approx. 60°C (140°F), turn OFF ignition, wait approx. 3 minutes, check dipstick, then fill to MAX. See Repair Manual for details and owners manual for viscosities.

\* **1.8T (AMB) MUST use oil meeting VW 502 00 standard ONLY(0W40 or 5W40 or 5W30), and oil filter Pt. No. 068 115 561B. See TB in Grp 17.**

<sup>[2]</sup> MANUAL TRANS.: Use synthetic oil, SAE 75W90 Part No. G 052 911 A1. Use gear oil GL 5 SAE 90 for 01R rear final drive.

<sup>[3]</sup> AUTOMATIC TRANS.: Life-time filling, new fill quantities are for reference only. Only replace after repair (i.e. when removing oil pan). See Repair Manual (AESIS) for details. Use VW ATF, Part No. G 052 162 A2 for 01V. **CVT Only:** use G 052 180 A2.

<sup>[4]</sup> AUTOMATIC TRANS. DIFF: Use synthetic oil, SAE 75W90, Part No. G 052 145 A2 . Use G 052 190 A2 for CVT, Use gear oil GL 5 SAE 90 for 01R final drive.

<sup>[5]</sup> COOLING SYSTEM: Use only phosphate free coolant G 012 A8F A4 ( PURPLE COLORED). **DO NOT INTERCHANGE OR MIX** older G 011 A8C or G 012 A8D with G 012 A8F A4. This can result in serious damage to the engine. Frost protection is required down to approximately -25°C (-13°F). In countries with arctic climates, frost protection is required down to approximately -35°C (-31°F). The anti-freeze ratio must be a minimum of 40%, as 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 and in warmer countries, as cooling effectiveness will be reduced.

<sup>[6]</sup> POWER STEERING: Hydraulic oil G002 000 . Do not use ATF. Do not reuse drained fluid.

<sup>[7]</sup> BRAKE FLUID: Use new brake fluid in accordance with US standard FMVSS 116 Dot 4, Part No. B000 700A. Always siphon some brake fluid from reservoir before replacing brake pads. **Refer to Cautions and Warnings in Repair Manual (AESIS).**

**CAUTION! Part numbers are for reference only. Always check with your Parts Dept. for the latest parts information.**





# FLUID CAPACITY CHART



MY / VEHICLE	ENGINE OIL <sup>1</sup>	MANUAL TRANS. <sup>2</sup>	AUTOMATIC TRANS. <sup>3</sup>	DIFFERENTIAL AUTOMATIC TRANS. <sup>4</sup>	COOLING SYSTEM <sup>5</sup>	POWER STEERING <sup>6</sup>	BRAKE FLUID <sup>7</sup>	A/C REFRIGERANT R-134a	A/C REFRIGERANT OIL
2004  allroad quattro	w/Filter Change  <b>2.7 (BEL)</b> 6.5L (6.9 qt.) <b>4.2 (BAS)</b> 8.0L (8.5 qt.)	<b>01E (6 Spd AWD)</b> 3.6L ( 3.8 qt.)  <b>01R (6 Spd AWD)</b> <b>Rear Final Drive</b> 1.5L (1.6 qt.)	<b>01V</b> <b>New Fill:</b> 9.0L(9.5 qt) <b>Change:</b> 2.6L(2.75 qt) <b>01L (AWD)</b> <b>New fill:</b> 9.8L (10.4 qt.) <b>Change:</b> Approx. 3.5L–4.0L (3.7qt.–4.2qt.)	<b>01V (AWD)</b> <b>Front &amp; Center Diff.</b> <b>New Fill:</b> Approx. 0.8L (0.85 qt.) <b>01L (AWD)</b> <b>Front diff;</b> <b>New fill:</b> 1.3L (1.4 qt.) <b>Center Diff.</b> <b>New Fill:</b> 880ml. (0.93 qt.) <b>01R (AWD)</b> <b>Rear Diff.</b> <b>New Fill:</b> 1.9L (2.0 qt.)	<b>2.7L (BEL)</b> 6.0L (6.3 qt.) <b>4.2L (BAS)</b> 12.0L(12.7 qt.)	0.85L (0.89 qt.)	1.0L (1.06qt.)  <b>Note:</b> Includes amount extracted from brake fluid reservoir.	650g + 50g (22 oz. +1.8 oz.)	Use PAG oil with R-134a 250 ± 50 cc (8.5 fl oz.± .7 fl oz.)

<sup>1</sup> **ENGINE OIL: Approximate quantities!** Use “API SERVICE SJ, ACEA A2or ACEA A3, ” Do not overfill! Overfilling engine oil can cause misfire DTC’s to be stored in Engine Control Module (ECM) -J220-. To prevent overfilling, add approx. 0.5L less than capacity, start engine and let run until operating temp. is approx. 60°C (140°F) , turn OFF ignition, wait approx. 3 minutes, check dipstick, fill to MAX. See Repair Manual for details and o/m for viscosities.

<sup>2</sup> **MANUAL TRANS.:** Use synthetic oil, SAE 75W90, Part No. G 005 000.

<sup>3</sup> **AUTOMATIC TRANS.:** Use VW ATF, Part No. G 052 162 A2. Life-time filling, new fill quantities are for reference only. Only replace after repair (i.e. when removing oil pan). See Repair Manual (AESIS) for details.

<sup>4</sup> **DIFFERENTIAL AUTOMATIC TRANS.:** Use synthetic oil, SAE 75W90, Part No. G 052 145 S2, life time filling.

<sup>5</sup> **COOLING SYSTEM:** Use only phosphate free coolant G 012 A8F A4 (PURPLE COLORED). **DO NOT INTERCHANGE OR MIX** older G 011 A8 C or G 012 A8D with G 012 A8F A4. This can result in serious damage to the engine. 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%, as 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 and in warmer countries, as cooling effectiveness will be reduced.

<sup>6</sup> **POWER STEERING:** Hydraulic oil G002 000. Do not use ATF. Do not reuse drained fluid.

<sup>7</sup> **BRAKE FLUID:** Use new brake fluid in accordance with US standard FMVSS Dot 116 Dot 4, Part No. B000 700A. Always siphon some brake fluid from brake reservoir before replacing brake pads. **Refer to Cautions and Warnings in Repair Manual (AESIS) – brake section, before beginning work on vehicle hydraulic system.**

**CAUTION! Part numbers are for reference only. Always check with your Parts Dept. for the latest parts information.**



# FLUID CAPACITY CHART



MY / VEHICLE	ENGINE OIL <sup>1</sup>	MANUAL TRANS. <sup>2</sup>	AUTOMATIC TRANS. <sup>3</sup>	HALDEX COUPLING <sup>4</sup>	COOLING SYSTEM <sup>5</sup>	POWER STEERING <sup>6</sup>	BRAKE FLUID <sup>7</sup>	A/C REFRIGERANT R-134a	A/C REFRIGERANT OIL
2004 TT, Coupe, Roadster	w/Filter Change <b>1.8 (BEA/AWP)</b> 4.5L (4.8 qt.)  <b>3.2 (BHE)</b> 5.5L (5.8 qt.)	<b>02M (6 Spd AWD)</b> 2.6L (2.7 qt.)  <b>02D (AWD) Rear Final Drive</b> 1.0L (1.1 qt.)	<b>09G</b> New Fill: 7.0L (7.4 qt.) See AESIS for fill after repairs <b>02E</b> New Fill: 7.2L (7.6 qt.) Change: Approx. 6.0L (6.3 qt.)	Capacity: 0.42L ( 0.44 qt. ) Refill capacity: 0.25L (0.25 qt. )	<b>BEA/AWP</b> 5.0L (5.3 qt.)  <b>BHE</b> 8.0L (8.5 qt.)	0.7L–0.9L (12 oz.–15 oz.)	Approx. 1000 ml. (2.1 qt.) Not including amount siphoned from brake fluid reservoir <b>Note:</b> A small additional amount may be needed to top off to max. indication on vehicle brake fluid reservoir	750g ± 50g (26.5 oz. ± 1.8 oz.)	Use PAG oil with R-134a 135cc ± 15cc (4.6 fl oz ± 0.5 fl oz.)

<sup>1</sup> **ENGINE OIL: Approximate quantities!** Use “API SERVICE SJ, ACEA A2 or ACEA A3.” Do not overfill! Overfilling engine oil can cause misfire DTC’s to be stored in Engine Control Module (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, fill to MAX. See Repair Manual for details and owners manual for viscosities.

<sup>2</sup> **MANUAL TRANS.02M:** Use synthetic oil SAE 75W90, Part No. G 052 171 A2, Final Drive use G 005 000.

<sup>3</sup> **AUTOMATIC TRANS: 09G:** Filled for life. Change only after repairs, see AESIS. Use ATF G 055 025 A2 (1 liter container), **02E:** see parts for proper oil. Bevel Box: filled for life, see parts for proper oil.

<sup>4</sup> **HALDEX COUPLING:** Use high performance oil, Part No. G 052 175 A1.

<sup>5</sup> **COOLING SYSTEM:** Use only phosphate free coolant G 012 A8F A4, ( PURPLE COLORED). **DO NOT INTERCHANGE OR MIX** older G 011 A8C or G 012 A8D with G 012 A8F A4. This can result in serious damage to the engine. 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%, as 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 and in warmer countries, as cooling effectiveness will be reduced.

<sup>6</sup> **POWER STEERING:** Hydraulic oil G002 000. Do not use ATF. Do not reuse drained fluid.

<sup>7</sup> **BRAKE FLUID:** Use new brake fluid in accordance with US standard FMVSS 116 Dot 4, Part No. B 000 700A. Always siphon some brake fluid from brake reservoir before replacing brake pads. **Refer to Cautions and Warnings in Repair Manual (AESIS) – brake section, before beginning work on vehicle hydraulic system.**

**CAUTION! Part numbers are for reference only. Always check with your Parts Dept. for the latest parts information.**



# FLUID CAPACITY CHART



MY / VEHICLE	ENGINE OIL <sup>[1]</sup>	MANUAL TRANS. <sup>[2]</sup>	AUTOMATIC TRANS. <sup>[3]</sup>	DIFFERENTIAL AUTOMATIC TRANS. <sup>[4]</sup>	COOLING SYSTEM <sup>[5]</sup>	POWER STEERING <sup>[6]</sup>	BRAKE FLUID <sup>[7]</sup>	A/C REFRIGERANT R-134a	A/C REFRIGERANT OIL
2004  A8L	w/Filter Change <b>4.2 (BFM)</b> 7.5L (8.0 qt.)	<b>N/A</b>	<b>09E</b> <b>New Fill:</b> 10.4L (11 qt.) <b>Change:</b> (after pan removal) Approx. 10.0L (10.6qt.)	<b>09E (AWD)</b> <b>Front Diff.</b> <b>New Fill:</b> 1.2L ( 1.3 qt.) <b>Center Diff.</b> <b>New Fill:</b> 1.1L (1.2 qt.)  <b>01R (AWD)</b> <b>Rear Diff.</b> <b>New Fill:</b> Approx. 1.5L (1.6 qt.)	<b>4.2L (BFM)</b> 14.0L (14.8 qt.)	0.7L–0.9L (12 –15 oz.)	1.0L (1.06qt.)*  <b>Note:</b> *With brake fluid extracted from brake fluid reservoir and exchange amount for the hydraulic clutch system.	600g + 50g (21.2 oz. + 1.8 oz.)	Use PAG Oil with R134a 200cc ± 10cc (6.8 fl oz. ± 0.3 fl oz.) use PAG Oil Part No. 052 300 A2

<sup>[1]</sup> **ENGINE OIL: Approximate quantities!** Use “API SERVICE SJ, or ACEA A2 or ACEA A3.” Do not overfill! Overfilling engine oil can cause misfire DTC’s to be stored in Engine Control Module (ECM) -J220-. To prevent overfilling, add approx. 0.5L less than capacity, start engine and let run until engine operating temperature is approx. 60°C (140°F), turn OFF ignition, wait approx. 3 minutes, check dipstick, then fill to MAX. See Repair Manual for details and owners manual for viscosities.

<sup>[2]</sup> **MANUAL TRANS.** N/A

<sup>[3]</sup> **AUTOMATIC TRANS.:** Use VW ATF Part No. G 055 005 A2 (1 Liter container). Life-time filling, new fill quantities are for reference only. Only replace after repair (i.e. when removing oil pan). See Repair Manual (AESIS) for details.

<sup>[4]</sup> **DIFFERENTIAL AUTOMATIC TRANS.:** Use synthetic oil, SAE 75W90, Part No. G 052 145 S2 (1 liter container). Life-time filling. see AESIS for refill after repairs.

<sup>[5]</sup> **COOLING SYSTEM:** Use only phosphate free coolant G 012 A8F A4 (PURPLE COLORED). **DO NOT INTERCHANGE OR MIX** G 011 A8 C or G 012 A8 D with G 012 A8F A4. This can result in serious damage to the engine. Frost protection is required down to approximately -25°C (-13°F). In countries with arctic climates, frost protection is required down to approximately -35°C (-31°F). The anti-freeze ratio must be a minimum of 40%, as otherwise frost protection is reduced. The recommended mixture ratio is :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 and in warmer countries, as cooling effectiveness will be reduced.

<sup>[6]</sup> **POWER STEERING:** Hydraulic oil G002 000. Do not use ATF.

<sup>[7]</sup> **BRAKE FLUID:** Use new brake fluid in accordance with US standard FMVSS 116 Dot 4, Part No. B000 700A. Always siphon some brake fluid from reservoir before replacing brake pads. **Refer to cautions and warnings in Repair Manual (AESIS) – brake section, before beginning work on vehicle hydraulic system.**

**CAUTION! Part numbers are for reference only. Always check with your Parts Dept. for the latest parts information.**