



Audi

Important!

Please give copies to
all your Audi Technicians

Technical Bulletin

Subject: **Fluid Capacity Chart**

Group: **00**

Number: **01-02**

Model(s): **All**

2000, 2001

Date: **Mar. 20, 2001**

The following fluid capacity chart applies to
2000 and 2001 model year vehicles.

CAUTION!

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

(Cont. on Page 2)

C 00-01-02

1



FLUID CAPACITY CHART



MY / VEHICLE	ENGINE OIL ^[1]	MANUAL TRANS. ^[2]	AUTOMATIC TRANS. ^[3]	DIFFERENTIAL AUTOMATIC TRANS. ^[4]	COOLING SYSTEM ^[5]	POWER STEERING ^[6]	WINDSHIELD WASHER ^[7]	A/C REFRIGERANT R-134a ^[8]	A/C REFRIGERANT OIL
2000/01 A4/S4	w/Filter Change 1.8L (ATW) 1.8L (AWM) 3.5L (3.7 qt) 2.7L (APB) 6.5L (6.9 qt) 2.8L (ATQ) 2.8L (AHA) 5.7L (6.0 qt)	01E (6 Spd AWD) 2.3L (2.4 qt) 01H (6 Spd AWD) Rear Final Drive 1.9L (2.01 qt) 01A (5 Spd AWD) 2.75L (2.91 qt) 01R (5 Spd AWD) Rear Final Drive 1.9L (2.01 qt) 012/01W (FWD) 2.25L (2.38 qt)	01V New Fill: 9.0L (9.5 qt) Change: Approx. 3.5L-4.0L (3.7-4.2 qt)	01V (AWD) Front & Center Diff. New Fill: Approx. 0.8L (0.85 qt) Change: Approx. 0.75L (0.79 qt) 01H (AWD) Rear Diff. New Fill: Approx. 1.9L (2.0 qt) Change: Approx. 1.8L (1.9 qt)	1.8L (ATW,AWM) 7.0L (7.4 qt) 2.7L (APB) 6.0L (6.4 qt) 2.8L (5V) (AHA, ATQ) 6.0L (6.4 qt)	0.7L-0.9L (12 oz-15 oz)	4.5L (4.8 qt)	Not Colored 650g ± 50g (22.9 oz ± 1.8 oz) Colored 700g ± 50g (24.7 oz ± 1.8 oz)	Use PAG Oil with R134a Zexel: 250cc ± 20cc (8.5 fl oz ± 0.7 fl oz) Denso: 250cc ± 50cc (8.5 fl oz ± 1.6 fl oz)

^[1] **ENGINE OIL: Approximate quantities!** Use “API SERVICE SJ” for gasoline engines. 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.

^[2] **MANUAL TRANS:** Use synthetic oil, SAE 75W90, Part No. G 005 000.

^[3] **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 for details.

^[4] **DIFFERENTIAL AUTOMATIC TRANS:** Use synthetic oil, SAE 75W90, Part No. G 052 145 S2.

^[5] **COOLING SYSTEM:** Use only phosphate free coolant (G12). **DO NOT INTERCHANGE OR MIX** older G 011 A8 C with G 012 A8 D. 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 A8 D 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.

^[6] **POWER STEERING:** Hydraulic oil G002 000 / G002 012. Do not use ATF.

^[7] **WINDSHIELD WASHER:** Concentrated ZVW 177 901/903/904/906.

^[8] **A/C REFRIGERANT:** Use R-134a.

(Cont. on Page 3)



FLUID CAPACITY CHART



MY / VEHICLE	ENGINE OIL ^[1]	MANUAL TRANS. ^[2]	AUTOMATIC TRANS. ^[3]	DIFFERENTIAL AUTOMATIC TRANS. ^[4]	COOLING SYSTEM ^[5]	POWER STEERING ^[6]	WINDSHIELD WASHER ^[7]	A/C REFRIGERANT R-134a ^[8]	A/C REFRIGERANT OIL
2000/01 A6 allroad quattro	w/Filter Change 2.7L (APB) 6.5L (6.9 qt) 2.8L (AHA) 2.8L (ATQ) 5.7L (6.0 qt) 4.2L (ART) 4.2L (AWN) 7.6L (8.0 qt)	01A (5 Spd AWD) 2.7L (2.8 qt) 01R (5 Spd AWD) Rear Final Drive 1.5L (1.6 qt) 01E (6 Spd AWD) (EDU) 2.3L (2.4 qt) 01E (6 Spd AWD) (EEY) (EHS: allroad) 3.6L (3.8 qt) 01H (6 Spd AWD) Rear Final Drive 1.5L (1.6 qt)	01L New Fill: 9.8L (10.4 qt) Change: Approx. 4.0L (4.2 qt) 01V New Fill: 9.0L (9.5 qt) Change: Approx. 3.5L-4.0L (3.7-4.2 qt)	01L (AWD) Front Diff. New fill 1.3L (1.4 qt) Center Diff. New fill 880ml (0.93 qt) 01R (AWD) Rear Diff. New fill 1.5L (1.6 qt) 01V (AWD) Front & Center Diff. New Fill: Approx. 0.8L (0.85 qt) Change: Approx. 0.75L (0.80 qt) 01R (AWD) Rear Diff. New Fill: Approx. 1.9L (2.01 qt)	2.7L (APB) 6.0L (6.3 qt) 2.8L (AHA) 2.8L (ATQ) 8.0L (8.5 qt) 4.2L (ART) 4.2L (AWN) 9.0L (9.5 qt)	0.85L (0.89 qt)	4.7L (5.0 qt)	650g ± 50g (22.9 oz ± 1.8 oz)	Use PAG oil with R-134a 250cc ± 50cc (8.5 fl oz ± 1.7 fl oz)

^[1] **ENGINE OIL: Approximate quantities!** Use "API SERVICE SJ" for gasoline engines. 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 temperature is approx. 60°C (140°F), turn OFF ignition, wait approx. 3 minutes, check dipstick, fill to MAX. See Repair Manual for details.

^[2] **MANUAL TRANS:** Use synthetic oil, SAE 75W90, Part No. G 005 000.

^[3] **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 for details.

^[4] **DIFFERENTIAL AUTOMATIC TRANS:** Use synthetic oil, SAE 75W90, Part No. G 052 145 S2.

^[5] **COOLING SYSTEM:** Use only phosphate free coolant (G12). **DO NOT INTERCHANGE OR MIX** older G 011 A8 C with G 012 A8 D. 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 A8 D 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.

^[6] **POWER STEERING:** Hydraulic oil G002 000 / G002 012. Do not use ATF.

^[7] **WINDSHIELD WASHER:** Concentrated ZVW 177 901/903/904/906.

^[8] **A/C REFRIGERANT:** Use R-134a.

(Cont. on Page 4)



FLUID CAPACITY CHART



MY / VEHICLE	ENGINE OIL ^[1]	MANUAL TRANS.	AUTOMATIC TRANS. ^[3]	DIFFERENTIAL AUTOMATIC TRANS ^[4]	COOLING SYSTEM ^[5]	POWER STEERING ^[6]	WINDSHIELD WASHER ^[7]	A/C REFRIGERANT R-134a ^[8]	A/C REFRIGERANT OIL
2000/01 A8	w/Filter Change 4.2L (AKB) 4.2L (AUX) 4.2L (AYS) 7.2L (7.6 qt)	N/A	VW ATF 01L (AWD) New Fill: 9.8L (10.4 qt) Change: Approx. 4.0L (4.2 qt) 01V (FWD) New Fill: 9.0L (9.5 qt) Change: Approx. 3.5L-4.0L (3.7L-4.2 qt)	01L (AWD) Front Diff. New fill 1.3L (1.4 qt) Center Diff. New fill 880ml (0.93 qt) 01R (AWD) Rear Diff. New fill 1.5L (1.6 qt) 01V (FWD) Final Drive New fill 0.75L (0.80 qt)	9.0L (9.5 qt)	1.2L (1.3 qt)	7.0L (7.4 qt)	Not Colored 750g ± 50g (26.4 oz ± 1.8 oz) Yellow Color 800g ± 50g (28.2 oz ± 1.8 oz)	Use PAG oil with R-134a 250cc ± 50cc (8.5 fl oz ± 1.7 fl oz)

^[1] **ENGINE OIL: Approximate quantities!** Use "API SERVICE SJ" for gasoline engines. 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 temperature is approx. 60°C (140°F), turn OFF ignition, wait approx. 3 minutes, check dipstick, fill to MAX. See Repair Manual for details.

^[2] **MANUAL TRANS:** Use synthetic oil, SAE 75W90, Part No. G 005 000.

^[3] **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 for details.

^[4] **DIFFERENTIAL AUTOMATIC TRANS:** Use synthetic oil, SAE 75W90, Part No. G 052 145 S2.

^[5] **COOLING SYSTEM:** Use only phosphate free coolant (G12). **DO NOT INTERCHANGE OR MIX** older G 011 A8 C with G 012 A8 D. 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 A8 D 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.

^[6] **POWER STEERING:** Hydraulic oil G002 000 / G002 012. Do not use ATF.

^[7] **WINDSHIELD WASHER:** Concentrated ZVW 177 901/903/904/906.

^[8] **A/C REFRIGERANT:** Use R-134a.

(Cont. on Page 5)



FLUID CAPACITY CHART



MY / VEHICLE	ENGINE OIL ¹	MANUAL TRANS. ²	AUTOMATIC TRANS.	DIFFERENTIAL AUTOMATIC TRANS	COOLING SYSTEM ⁵	POWER STEERING ⁶	WINDSHIELD WASHER ⁷	A/C REFRIGERANT R-134a ⁸	A/C REFRIGERANT OIL
2000/01 TT	w/Filter Change 1.8L (ATC) 1.8L (AWP) 1.8L (AMU) 4.5L (4.8 qt)	02J (5 Spd FWD) 2.0L (2.1 qt) 02M (AWD) 2.6L (2.7 qt) 02D (AWD) Rear Final Drive 1.0L (1.1 qt)	N/A	N/A	5.0L (5.3 qt)	0.7L–0.9L (12 oz–15 oz)	4.0L (4.3 qt)	750g ± 50g (26.4 oz ± 1.8 oz)	Use PAG oil with R-134a 135cc ± 15cc (4.6 fl oz ± 0.5 fl oz)

¹ ENGINE OIL: **Approximate quantities!** Use “API SERVICE SJ” for gasoline engines. 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, fill to MAX. See Repair Manual for details.

² MANUAL TRANS: Use synthetic oil, SAE 75W90, Part No. G 005 000.

³ 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 for details.

⁴ DIFFERENTIAL AUTOMATIC TRANS: Use synthetic oil, SAE 75W90, Part No. G 052 145 S2.

⁵ COOLING SYSTEM: Use only phosphate free coolant (G12). **DO NOT INTERCHANGE OR MIX** older G 011 A8 C with G 012 A8 D. 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 A8 D 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.

⁶ POWER STEERING: Hydraulic oil G002 000 / G002 012. Do not use ATF.

⁷ WINDSHIELD WASHER: Concentrated ZVW 177 901/903/904/906.

⁸ A/C REFRIGERANT: Use R-134a.