



**Important!**

Please give copies to all  
your VW Technicians

# Technical Bulletin

Subject: **Fluid Capacity Chart**

Group: **00**

Number: **99-12**

Model(s): **All**

**1998, 1999**

Date: **July 06, 1999**

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**Supersedes T.B. 00-99-09 dated June 17,1999**

Please note the change to the Jetta/Golf / Cabrio and New Beetle **differential column**. This corrects an error on the first version (00-99-09), please discard version 00-99-09.

The following fluid capacity chart covers all vehicles for 1998 and 1999. To prevent overfilling at oil changes, add approx. 1/2 qt. less than capacity, start engine, let run until engine operating temperature is approx. 60° C (140° F), switch ignition OFF, wait approx. 3 minutes, check dipstick, fill to full mark as indicated on dipstick (may be more or less than 1/2 qt. depending on model).

***CAUTION!***

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



# FLUID CAPACITY CHART



VEHICLE/M.Y.	ENGINE OIL <sup>1</sup>	MANUAL TRANS.	AUTO TRANS.	AUTO DIFF.	COOLING SYSTEM <sup>2</sup>	POWER STEERING <sup>3</sup>	A/C REFRIGERANT R-12 R134a	REFRIGERANT OIL
PASSAT 1998/1999	<b>1.8L T (AEB)</b> w/filter 3.5L (3.7qt)*	2.25L (2.4qt)	<b>01V</b> Dry Fill 9.0L (9.5qt) Changing 2.6L (2.7qt)	<b>01V</b> G052145A2 75W90 Dry fill 0.75L (0.8qt) filled for life, no change	<b>1.8L T (AEB)</b> W/AutoTrans. 6.2L (6.5qt) W/Std. Trans. 5.6L (5.9qt)	G002 000 1.0L (1.056qt)	650 + 50 grams (23 + 1.8 oz)	250cc (8.5 oz)
	<b>2.8L (AHA)</b> w/filter 5.7L (6.0qt)* 6.0L (6.3qt)*		<b>01N</b> Dry fill 5.5L (5.7qt) Changing 3.5L (3.7qt)		<b>2.8L (AHA)</b> 10.0L (10.4q)			
	<b>Diesel N/A</b>							
New Beetle 1998/1999	<b>2.0L (AEG)</b> w/filter 4.0L (4.2qt)*	<b>02J trans.</b> 2.0L (2.1 qt)	<b>01M</b> G052162A2 Dry fill 5.3L (5.6 qt) Changing 3.0L (3.2 qt)	G052145A2 75W90 Dry fill 0.75L (0.8qt) filled for life, no change	<b>2.0L (AEG)</b> 5.0L (5.3qt)	G002 000 0.7 – 0.9L (0.74–0.75qt) (23–30oz)	700 + 50 grams (24.7 + 1.8 oz)	135cc (4.7 oz)
	<b>1.8T (AEB)</b> W/filter 3.5L (3.7qt)*							
	<b>1.9L (ALH)</b> w/filter 4.5L(4.75qt)*				<b>1.9L (ALH)</b> 6.0L (6.3qt)			

<sup>1</sup> Use "API SERVICE SJ" for gasoline engines. Use "API SERVICE" for Diesel engines.

<sup>2</sup> COOLANT: Use only phosphate free coolant ZVW 237 105 (G11) upto vehicle production date of 10.96 from 10.96 use ZVW 237 (G12) DO NOT INTERCHANGE OR MIX G11 & G12.

<sup>3</sup> POWER STEERING: Do not use ATF.

\* To prevent overfilling at oil changes, add approx. 1/2qt less than capacity, start engine, let run until engine operating temperature is approx. 60°C (140° F), switch ignition OFF, wait approx. 3 minutes, check dipstick, fill to full mark as indicated on dipstick (may be more or less than 1/2qt depending on model).



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VEHICLE/M.Y.	ENGINE OIL <sup>1</sup>	MANUAL TRANS.	AUTO TRANS.	AUTO DIFF.	COOLING SYSTEM <sup>2</sup>	POWER STEERING <sup>3</sup>	A/C REFRIGERANT R-12 R134a	REFRIGERANT OIL
JETTA GOLF CABRIO 1998/1999	<b>1.9L (ALH)</b> w/filter 4.5L (4.75qt)*	<b>02A Trans.</b> 2.0L (2.1qt) G50 synthetic oil SAE 75W90	<b>01M</b> Dry Fill 5.3L (5.6qt) Refill 3.0L (3.2qt) VWATF G052 162 A2	G052145A2 Dry fill 0.75L (0.8qt) Filled for life no change	<b>1.9L (ALH)</b> 6.0L (6.3qt) <b>2.0L (AEG)</b> 5.0L (5.3qt) <b>2.8L (AFP)</b> 9.0L (9.5qt)	0.7-0.9L (0.74-0.95qt) (23-30 oz)	750 ± 50 grams (26 ± 1.8 oz)	135cc ± 15cc (4.7 ± 0.5 oz) Use PAG oil with R 134a
	<b>2.0L (AEG)</b> w/filter 4.0L (4.2qt)*	<b>020 Trans.</b> 1.9L (2.0qt) G50 synthetic oil SAE 75W90						
	<b>2.8L (AFP)</b> w/filter 6.1L (6.4qt)*	<b>02J Trans.</b> 2.0L (2.1qt) G50 synthetic oil SAE 75W90						
EUROVAN 1998/1999	<b>2.8L (AES)</b> w/filter 5.7L (6.0qt)*	<b>02B Trans.</b> 2.5L (2.7qt) G50 synthetic oil SAE 75W90 <b>02G Trans.</b> 2.3L (2.4qt)	<b>01P Trans.</b> Dry fill 5.35L (5.65qt) Oil change 3.5L (3.7qt)	G052145A2 1.15L (1.22qt) Filled for life no change	<b>2.8L (AES)</b> 1 heat/exch. 9.0L (9.5qt) 2 heat/exch. 10.8L (11.4qt) 2 heat/exch. & water heater 11.4L (17.8qt)	1.0L (1.05qt) G 002 000	<b>One evap.</b> 950 + 50 grams (33.5+ 1.8 oz) <b>Two evap.</b> 1350 +50 grams (47.6 + 1.8oz)	<b>One evap.</b> 135cc (4.6 oz) <b>Two evap.</b> 240 cc (8.1 oz) Use PAG oil with R 134a

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