

# FLUID CAPACITY CHART GROUP 00, NO. 97-04

## Article Text

1991 Volkswagen Passat  
For Volkswagen Technical Site  
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Wednesday, August 25, 1999 09:20PM

### ARTICLE BEGINNING

#### TECHNICAL SERVICE BULLETIN

#### FLUID CAPACITY CHART

Model(s): 1990- on Volkswagen, All Models  
Group: 00 - General  
Bulletin No.: 97-08  
Date: September 17, 1997

NOTE: This bulletin supersedes Technical Bulletin Group 00, No. 97-04 dated May 16, 1997.

#### SERVICE INFORMATION

The following fluid capacity information covers all vehicles from 1991 and some from 1990.

Retain the fluid chart, covering vehicles from 1980 through 1990, as a supplement for older vehicles.

CAUTION: Part numbers are for reference only. Always check with your Parts Department for latest information.

#### FLUID CAPACITY CHART

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##### JETTA/GOLF - 1991-95

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Engine Oil (1)..... 4 cyl. 4.0L (4.2 qt.)  
V6 5.0L (5.3 qt.)  
Diesel 4.5L (4.7 qt.)

Manual Trans. .... (1993-1995«)  
02A Trans. 2.0L (2.1 qt.)  
G50 synthetic oil, SAE 75W/90  
VR6 02A Trans. 2.0L (2.1 qt.)  
G 005 100 A1  
(1995«-1997)  
020 Trans. 1.9L (2.0 qt.)  
G50 synthetic oil, SAE 75W/90  
VR6 020 Trans. 1.9L (2.0 qt.)  
G 005 100 A1

Auto Trans. .... (1993-1995«)  
096 tran. 3.0L (3.2 qt.)  
0.7L (0.74 qt.)  
Dexron II/III or  
VWATF G052 162 A2  
(1995«-1997)  
01M Dry Fill 5.3L (5.5 qt.)  
Refill 3.0L (3.2 qt.)  
VWATF G052 162 A2 ONLY

Auto Diff. ....	1993-1995«)	0.75L (0.79 qt.)	G052 145 A2 (Synthetic Oil)	(1995«- 1997)	0.75L (0.79 qt.)	G052 145 A2 (Synthetic Oil)
Cooling System (2) .....	1.9 TD	6.5L (6.8 qt.)	1.8 Gas	5.5L (5.8 qt.)	2L Eng.	5.8L (6.1 qt.)
	2.8 V6	10L (10.6 qt.)				
Power Steering (3).....	.77L (.85 qt.)	ATF Dexron II				
Windshield Washer (4).....	4.2L (4.5 qt.)					
A/C Refrigerant R-12/R-134 (5) .	800 ñ 50 grams	(28.2 oz. ñ 1.8 oz.)				
A/C Refrigerant Oil .....	115 cc ñ 15cc	(3.9oz ñ 0.5 oz.)				
	Use PAG Oil With R 134a.					
VANAGON 1991						
Engine Oil (1) .....	Water Cooled	4.3L (4.8 qt.)/Filter				
	Diesel	3.5L (3.7 qt.)	3.8L (4.2 qt.)			
Manual Trans. ....	Water Cooled -	3.4L (3.8 qt.)				
	SAE 80/80W/90,	ML-L-2105.				
	API/GL-4 or G50					
	Diesel -	3.4L (3.8 qt.)				
	SAE 75W90,	ML-L-2105,				
	API/GL-4 or G50					
Auto Trans. ....	Dry Fill	6.0L (6.3 qt.)				
	Refill:	3.0L (3.2 qt.)				
	ATF Dexron II/III or					
	VWATF G052 162 A2					
Auto Diff. ....	1.2L (1.3 qt.)					
	G052 145 A2 (Synthetic oil)					
Cooling System (2) .....	16.7L (18.6 qt.)					
Power Steering (3) .....	1.2L (1.3 qt.)	ATF Dexron II				
Windshield Washer (4) .....	3.9L (4.3 qt.)	- Front				
	1.0L (1.1 qt.)	- Rear				
A/C Refrigerant R-12/R-134 (5)..	Gas Engine	1190 + 85 grams				
		(42.0 + 3.0 oz.)				
	Diesel Engine	1438 grams (50.75 oz.)				
A/C Refrigerant Oil .....	Gas Engine	135 cc (4.7 oz.)				
	Diesel Engine	237 cc (8.0 oz.)				
EUROVAN - 1992-95						
Engine Oil (1) .....	Gas	5.0L (5.7 qt.)				
	Diesel	5.5 qt. (6.0 qt.) (Canada)				
	V6 W/FI.	5.5L (5.8 qt.)				
Manual Trans. ....	2.3L (2.5 qt.)					
	G50 Synthetic oil	SAE 75W90 or				
	GL4	SAE 75W90 (1992-1995«)				
Auto Trans. ....	098 tran.	3.0L (3.2 qt.)				
		0.7L (0.74 qt.)				

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Dexron II/III or  
VWATF G052 162 A2  
(1992- 1995«)

Auto Diff. .... 1. 15L (1. 22 qt.)  
G052 145 A2 (Synthetic Oil)  
(1992- 1995«)

Cooling System (2) ..... Diesel 11. 5L (12. 2 qt.)  
5 cyl. 9L (9. 5 qt.)  
V6 1 heat/ex 9L (9. 5 qt.)  
2 heat/ex 10. 8L (11. 4 qt.) (6)

Power Steering (3) ..... 1L (1. 05 qt.) P/N G 002 000  
Do not use ATF fluid

Windshield Washer (4) ..... 7. 0L (7. 3 qt.)

A/C Refrigerant R- 12/R- 134 (5).. 950 + 50 grams (33. 25 + 1. 75 oz.)  
One evaporator  
1350 + 50 grams (47. 25 + 1. 75 oz.)  
Two evaporators

A/C Refrigerant Oil ..... 135 cm<sup>3</sup> 4. 72 oz One evaporator  
240 cm<sup>3</sup> 8. 4 oz Two evaporators  
Use PAG oil with R 134a.

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EUROVAN - 1995- 97  
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Engine Oil (1) ..... Gas 5. 0L (5. 7 qt.)  
Diesel 5. 5 qt. (6. 0 qt.) (Canada)  
V6 W/FI. 5. 5L (5. 8 qt.)

Manual Trans. .... 2. 3L (2. 5 qt.)  
G50 SAE 75W90 (Synthetic) or  
GL4 SAE 75W90  
(1995«- 1997)  
02B 2. 5L (2. 7 qt) G50

Auto Trans. .... 01P Dry Fill 5. 3 (5. 5 qt.)  
Refill 3. 0L (3. 2 qt.)  
VWATF G052 162 A3 ONLY  
(1995«- 1997)

Auto Diff. .... 1. 15L (1. 22 qt.)  
G052 145 A2 (Synthetic)  
(1995«- 1997)

Cooling System (2) ..... Diesel 11. 5L (12. 2 qt.)  
5 cyl. 9L (9. 5 qt.)  
V6 1 heat/ex 9L (9. 5 qt.)  
2 heat/ex 10. 8L (11. 4 qt.) (6)

Power Steering (3) ..... 1L (1. 05 qt.) P/N G 002 000  
Do not use ATF fluid

Windshield Washer (4) ..... 7. 0L (7. 3 qt.)

A/C Refrigerant R- 12/R- 134 (5).. 950 + 50 grams (33. 25 + 1. 75 oz.)  
One evaporator  
1350 + 50 grams (47. 25 + 1. 75 oz.)  
Two evaporators

A/C Refrigerant Oil ..... 135 cm<sup>3</sup> 4. 72 oz One evaporator  
240 cm<sup>3</sup> 8. 4 oz Two evaporators  
Use PAG oil with R 134a.

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### CABRIO 1995-97

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Engine Oil (1) ..... 4 cyl. 4.0L (4.2 qt.)  
V6 5.0L (5.3 qt.)  
Diesel 4.5L (4.7 qt.)  
Manual Trans. .... 020 Trans. 1.9L (2.0 qt.) 75W90.  
MIL-L-2105. API GL-4 or  
G50 synthetic 75W90  
020 Trans. 1.9L (2.0 qt.) 75W90.  
MIL-L-2105. API GL-4 or  
G50 synthetic 75W90  
(1995«- 1997)  
Auto Trans. .... 096 tran. 3.0L (3.2 qt.)  
0.7L (0.74 qt.)  
Dexron II/III or  
VWATF G052 162 A2  
01M Dry Fill 5.3L (5.5 qt.)  
Refill 3.0L (3.2 qt.)  
VWATF G052 162 A2 ONLY  
(1995«- 1997)  
Auto Diff. .... 0.75L (0.79 qt.)  
G052 145 A2 (Synthetic Oil)  
0.75L (0.79 qt.)  
G052 145 A2 (Synthetic Oil)  
(1995«- 1997)  
Cooling System (2) ..... 1.9 TD 6.5L (6.8 qt.)  
1.8 Gas 5.5L (5.8 qt.)  
2L Eng. 5.8L (6.1 qt.)  
2.8 V6 10L (10.6 qt.)  
Power Steering (3) ..... .77L (.85 qt.) ATF Dexron II  
Windshield Washer (4) ..... 4.2L (4.5 qt.)  
A/C Refrigerant R-12/R-134 (5) . 800 ñ 50 grams (28.2 oz. ñ 1.8 oz.)  
A/C Refrigerant Oil ..... 115 cc ñ 15cc (3.9oz ñ 0.5 oz.)  
Use PAG Oil With R 134a.

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### CABRIOLET 1985-94

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Engine Oil (1) ..... 3.5L (3.7 qt.) 4.0L (4.3 qt.)/Filter  
Manual Trans. .... 020 Trans. 1.9L (2.0 qt.) 75W90.  
MIL-L-2105. API GL-4 or  
G50 synthetic 75W90  
Auto Trans. .... ATF DexronII/III or VWATF G052 162 A2  
Dry Fill 6.0L (6.3 qt.)  
Refill 3.0L (3.1 qt.)  
Auto Diff. .... .75L (.8 qt.)  
G052 145 A2 (synthetic oil)  
Cooling System (2) ..... 4.6L (5.1 qt.)  
Power Steering (3) ..... .77L (.85 qt.) ATF Dexron II  
Windshield Washer (4) ..... 1.6L (1.8 qt.) Front  
A/C Refrigerant R-12/R-134 (5) . 1134 ñ 56 grams (33.0 oz. ñ 3.0 oz.)  
A/C Refrigerant Oil ..... 135 cc (4.75 oz )

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Use PAG oil with R 134a.

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### PASSAT 1991-95

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Engine Oil (1) ..... 4 cyl. 3.5L (3.7 qt.) W/O Filter,  
4.0L (4.3 qt.) W/Filter  
V6 5.0L (5.3 qt.) W/O Filter,  
6.0L (6.3 qt.) W/Filter  
Manual Trans. .... (1990-1995«)  
02A Trans. 2.0L (2.1 qt.)  
02C Trans. 2.4L (2.5 qt.)  
API GL 4 MIL-L2105, SAE 75W/90 or  
G50 Synthetic SAE 75W/90  
Auto Trans. .... (1990-1995«)  
Dexron II/III or VWATF G052 162 A2  
Auto Diff. .... (1990-1995«)  
0.75L (0.79 qt.)  
G052 145 A2 (Synthetic Oil)  
Cooling System (2) ..... 4 cyl. 5.6L (5.9 qt.)  
V6 8.6L (9.1 qt.)  
Power Steering (3) ..... 07-0.9L (0.74-0.5 qt.)  
Windshield Washer (4) ..... 5.0L (5.3 qt.)  
A/C Refrigerant R-12/R-134 (5).. 1150 ñ 50 grams (40.25 oz. ñ 1.7 oz.)  
A/C Refrigerant Oil ..... 115 cc (4.02 oz.)

Use PAG oil with R-134-a.

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### PASSAT 1995-97

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Engine Oil (1) ..... 4 cyl. 3.5L (3.7 qt.) W/O Filter,  
4.0L (4.3 qt.) W/Filter  
V6 5.0L (5.3 qt.) W/O Filter,  
5.5L (5.7 qt.) W/Filter  
Diesel 4.5L (4.75 qt.)  
TDI N/A 1997  
Manual Trans. .... VR6 eng. G 005 100 A1  
02A Trans. 2.0L (2.1 qt.)  
02C Trans. 2.4L (2.5 qt.)  
API GL 4 MIL-L2105, or  
G50 Synthetic SAE 75W90  
(1995«-1997)  
02A Trans. 2.0L (2.1 qt.)  
G50 or GL4 (1997)  
Auto Trans. .... (1995«-1997)  
01M Dry Fill 5.3L (5.5 qt.)  
Refill 3.0L (3.2 qt.)  
VWATF G052 162 A2 ONLY  
(1995«-1997)  
Auto Diff. .... 0.75L (0.79 qt.) G052 145 A2  
(Synthetic Oil)  
(1995«-1997)  
Cooling System (2) ..... 4 cyl. W/Auto Tr. 6.2L (6.5 qt.)  
W/Std. Tr. 5.6L (5.8 qt.)

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V6 10.0L (10.4 qt.)  
1.9 TDI 6.5L (6.8 qt.)  
Power Steering (3) ..... 07-0.9L (0.74-0.5 qt.)  
Windshield Washer (4) ..... 5.0L (5.3 qt.)  
A/C Refrigerant R-12/R-134 (5).. 950 + 50 grams (33.25 oz. + 1.75 oz.)  
A/C Refrigerant Oil ..... 115 cc (4.02 oz.)

Use PAG oil with R-134-a.

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### CORRADO - 1991-94

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Engine Oil (1) ..... 4 cyl. 3.5L (3.7 qt.) W/O Filter,  
4.0L (4.3 qt.) W/Filter  
V6 5.0L (5.3 qt.) W/O Filter,  
5.5L (5.7 qt.) W/Filter

Manual Trans. .... 02A Trans. 2.0L (2.1 qt.)  
G50 Synthetic Gear Oil, 75W/90  
VR6 Eng. G 005 100 A1

Auto Trans. .... 096 tran. 3.0L (3.2 qt.)  
0.7L (0.74 qt.)  
Dexron II/III or  
VWATF G052 162 A2

Auto Diff. .... 0.75L (0.79 qt.)  
G052 162 A2 (Synthetic Oil)

Cooling System (2) ..... 6.5L (1.7 gal.)  
Power Steering (3) ..... .77L (.85 qt.) ATF Dexron II  
Windshield Washer (4) ..... 4.2L (4.4 qt.)  
A/C Refrigerant R-12/R-134 (5).. 850 + 50 grams (29.75 oz. ñ 1.7 oz.)  
A/C Refrigerant Oil ..... 135 cc (4.7 oz.)

Use PAG oil with R-134-a.

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### FOX - 1991-93

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Engine Oil (1) ..... 3.0L (3.2 qt) W/O Filter  
3.5L (3.7 qt.) W/ Filter

Manual Trans. .... 1.6L (1.8 qt) 75W90,  
MIL-L-2105, API GL-4

Auto Trans. .... N/A

Auto Diff. .... N/A

Cooling System (2) ..... 6.2L (6.9 qt.) w/A/C

Power Steering (3) ..... N/A

Windshield Washer (4) ..... 2.5L (2.8 qt.) - Front  
1.5L (1.7 qt.) - Rear

A/C Refrigerant R-12/R-134 (5).. 1134 + 50 grams (38.0 oz. ñ 1.7 oz.)  
A/C Refrigerant Oil ..... 170cc (6.0 oz.)

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(1) = Use "API SERVICE SG or SH" for gasoline engines. Use "API  
SERVICE CF or CG4" for Diesel engines.

(2) = COOLANT: Use only phosphate free coolant ZVW 237 105 (G11) up to  
10.96, from 10.96 use ZVW 237 (G12) DO NOT INTERCHANGE OR MIX  
G11 & G12.

(3) = POWER STEERING: Hydraulic oil G002 000 / G002 012 instead of  
ATF.

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(4) = WASHER SOLVENT: 9.0L (9.5 QT.) w/headlight washers. Concentrated  
ZVW 177 901/903/904/906.

(5) = A/C REFRIGERANT. Use R-12 through 1992, R 134a begins in 1993.

(6) = 2 heat/ex & aux. heater 11.4L (12.1 qt.)

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CAUTION: Part numbers are for reference only. Always check with your  
Parts Department or latest information.

**END OF ARTICLE**