

Technical Bulletin

Model
All

Group
8

Subject: **Air Conditioning Oil Filling Capacities**

Part Identifier
8701

Number
9208

ATTENTION: Service Manager/Service Technician

This bulletin supersedes Technical Bulletin Group 8, Number 8604, Book C, pages 197-199.

Volume of refrigerant oil and refrigerant (R12) required for Porsche factory installed A/C systems.

Vehicle Type	944 up to 85/1	924S/ 944/S/T 85/2-88	944/S2/T 89-91	968 1992	924 up to 78	924 79-85
Refrigerant oil total (Ounces)	280 cm ³ (9.3)	100 cm ³ (3.3)	80 cm ³ (2.6)	80 cm ³ (2.6)	178 cm ³ (5.8)	230 cm ³ (7.7)
Compressor (Ounces)	112 cm ³ (3.7)	40 cm ³ (1.3)	30 cm ³ (1.0)	30 cm ³ (1.0)	70 cm ³ (2.3)	92 cm ³ (3.1)
Condensor (Ounces)	42 cm ³ (1.4)	15 cm ³ (0.5)	13 cm ³ (0.4)	13 cm ³ (0.4)	26.25 cm ³ (0.9)	34.5 cm ³ (1.2)
Evaporator (Ounces)	98 cm ³ (3.3)	35 cm ³ (1.2)	28 cm ³ (0.9)	28 cm ³ (0.9)	61.25 cm ³ (2.1)	80.5 cm ³ (2.7)
Receiver-drier and lines (Ounces)	28 cm ³ (0.9)	10 cm ³ (0.3)	9 cm ³ (0.3)	9 cm ³ (0.3)	17.5 cm ³ (0.6)	23 cm ³ (0.8)
Refrigerant capacity (Ounces)	1150 gr (40.5)	950 gr (33.5)	950 gr (33.5)	950 gr (33.5)	850 gr (30)	850 gr (30)

Note: A refrigerant oil volume variation of $\pm 10\%$ is permissible.

P
O
R
S
C
H
E
C
A
R
S
N
O
R
T
H
A
M
E
R
I
C
A
I
N
C



Technical Bulletin

Model
All

Group
8

Subject: Air Conditioning Oil Filling Capacities

Part Identifier
8701

Number
9208

Volume of refrigerant oil and refrigerant (R12) required for Porsche factory installed A/C systems.

Vehicle Type	911SC 78-83	911C 84-89	911C2+C4 89-92 911T 91+92	930 up to 79	930 from 80	928 up to 79	928 from 80 to 6/88	928 from 7/88 to VIN 92 PS 82 0060
Refrigerant oil total (Ounces)	300 cm ³ (10)	120 cm ³ (4)	100 cm ³ (3.3)	250 cm ³ (8.4)	170 cm ³ (5.7)	350 cm ³ (11.7)	280 cm ³ (9.3)	280 cm ³ (9.3)
Compressor (Ounces)	120 cm ³ (4)	48 cm ³ (1.6)	39 cm ³ (1.3)	100 cm ³ (3.4)	68 cm ³ (2.3)	140 cm ³ (4.7)	112 cm ³ (3.7)	280 cm ³ (9.3)
Condensor (Ounces)	45 cm ³ (1.5)	18 cm ³ (0.6)	16 cm ³ (0.5)	37.5 cm ³ (1.25)	25.5 cm ³ (0.8)	52.5 cm ³ (1.8)	42 cm ³ (1.4)	42 cm ³ (1.4)
Evaporator (Ounces)	105 cm ³ (3.5)	42 cm ³ (1.4)	36 cm ³ (1.2)	87.5 cm ³ (2.9)	59.5 cm ³ (2)	122.5 cm ³ (4.1)	98 cm ³ (3.3)	98 cm ³ (3.3)
Receiver-drier and lines (Ounces)	30 cm ³ (1)	42 cm ³ (0.4)	9 cm ³ (0.5)	25 cm ³ (0.8)	17 cm ³ (0.6)	35 cm ³ (1.2)	28 cm ³ (0.9)	28 cm ³ (0.9)
Refrigerant capacity (Ounces)	1100 gr (38.8)	1350 gr (47.6)	840 gr (29.5)	1100 gr (38.8)	1300 gr (45.8)	1050 gr (37)	1050 gr (37) from 84 with rear condensor 1200 gr (42.3)	950 gr (33.5)
	from 81 1250 gr (44.1)							

Note: A refrigerant oil volume variation of ± 10% is permissible.

PORSCHE CARS NORTH AMERICA INC.



Technical Bulletin

Model
All

Group
8

Subject: Air Conditioning Oil Filling Capacities

Part Identifier
8701

Number
9208

Volume of refrigerant oil and refrigerant (R-134a) required for Porsche factory installed A/C systems.

**Important: Refrigerant types and refrigerant oils are not compatible and must never be mixed.
See Technical Bulletin Group 8, Number 9206.**

Vehicle Type	928 GTS 1993-on from VIN 92 PS 82 0061	911 C2+C4 1993-on	968 1993-on
--------------	---	----------------------	----------------

Refrigerant oil total (Ounces)	160 cm ³ (5.2)*	140 cm ³ (4.6)*	120 cm ³ (3.9)*
--	-------------------------------	-------------------------------	-------------------------------

Compressor (Ounces)	64 cm ³ (2.1)	56 cm ³ (1.8)	49 cm ³ (1.6)
-------------------------------	-----------------------------	-----------------------------	-----------------------------

Condenser (Ounces)	25 cm ³ (0.8)	21 cm ³ (0.7)	19 cm ³ (0.6)
------------------------------	-----------------------------	-----------------------------	-----------------------------

Evaporator (Ounces)	55 cm ³ (1.8)	47 cm ³ (1.6)	39 cm ³ (1.3)
-------------------------------	-----------------------------	-----------------------------	-----------------------------

Receiver-drier and lines (Ounces)	16 cm ³ (0.5)	16 cm ³ (0.5)	13 cm ³ (0.4)
---	-----------------------------	-----------------------------	-----------------------------

Refrigerant capacity R-134a grams (Ounces)	860 gr (30.5)* with rear A/C 1050 gr (37)	840 gr (29.5)*	860 gr (30.5)*
---	---	-------------------	-------------------

*Note: These cars are equipped with R-134a. See Technical Bulletin Group 8, Number 9206 (use Nippondenso oil ND8 when adding oil).

P
O
R
S
C
H
E
C
A
R
S
N
O
R
T
H
A
M
E
R
I
C
A
I
N
C

