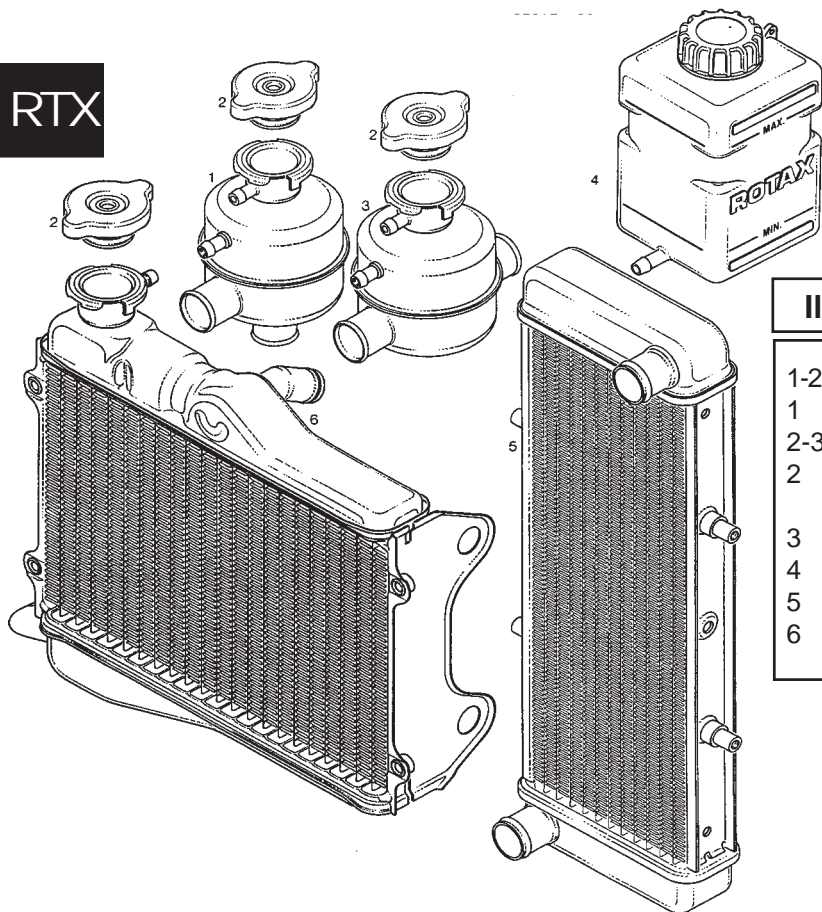


# SINGLE RADIATORS HEADER TANKS/OVERFLOW BOTTLE

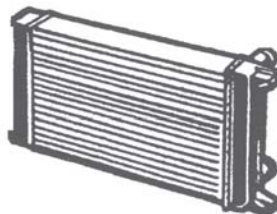
RTX



Ill No.	Part No.	Description	Qty
1-2	922 312	Expansion tank w/cap,90 deg	1
1	922 310	Expansion tank no cap,90 deg	1
2-3	922 317	Expansion tank w/cap,180 deg	1
2	922 075	Radiator cap, .9 bar	1
	922 070	Radiator cap, 1.2 bar	1
3	922 315	Expansion tank no cap,180 deg	1
4	922 327	Overflow bottle w/cap	1
5	995 697	Radiator, 16.3"x5.6"x1.5"	1
6	995 699	Radiator, 11.5"x10.3"x1.3"	1



**WATER TEMP FITTING, FOR 1" HOSE  
PROBE NOT INCLUDED, 1/8-27 NPT  
THREADS, #WTFIL, \$29**



**RADIATOR**, Standard equipment on many homebuilt aircraft, this lightweight aluminum radiator is ideal for economical installations. Measuring 23" long by 13" wide by 1 1/2" thick, it has more than enough cooling surface for the hottest of engines. Weighs only 4.5 lbs. Comes with plug. Headertank required, not included. 1 1/4" barbed fittings.

**#RADA \$125.00**

<b>RADIATOR HOSE, 1"</b>	#RADH	\$1.99/FT
	1/2" #RADH5	\$1.50/FT
	3/4" #RAD34	\$1.85/FT

**BRASS 1/2" barbed elbow, #AQP12BB, \$6.95**

**PVC HOSE FITTINGS, FOR 532/582/618 ONLY**

1"x1"x1"T	#F010	\$2.25
1"x1"x3/4"T	#F013	\$1.50
1"x1" ELBOW	#F012	\$1.95
1"x1/2" SPLICE	#F017	\$2.95
1"x3/4" SPLICE	#F016	\$1.50
1"x1" SPLICE	#F015	\$2.95
1 1/4"x1" SPLICE	#F014	\$1.95

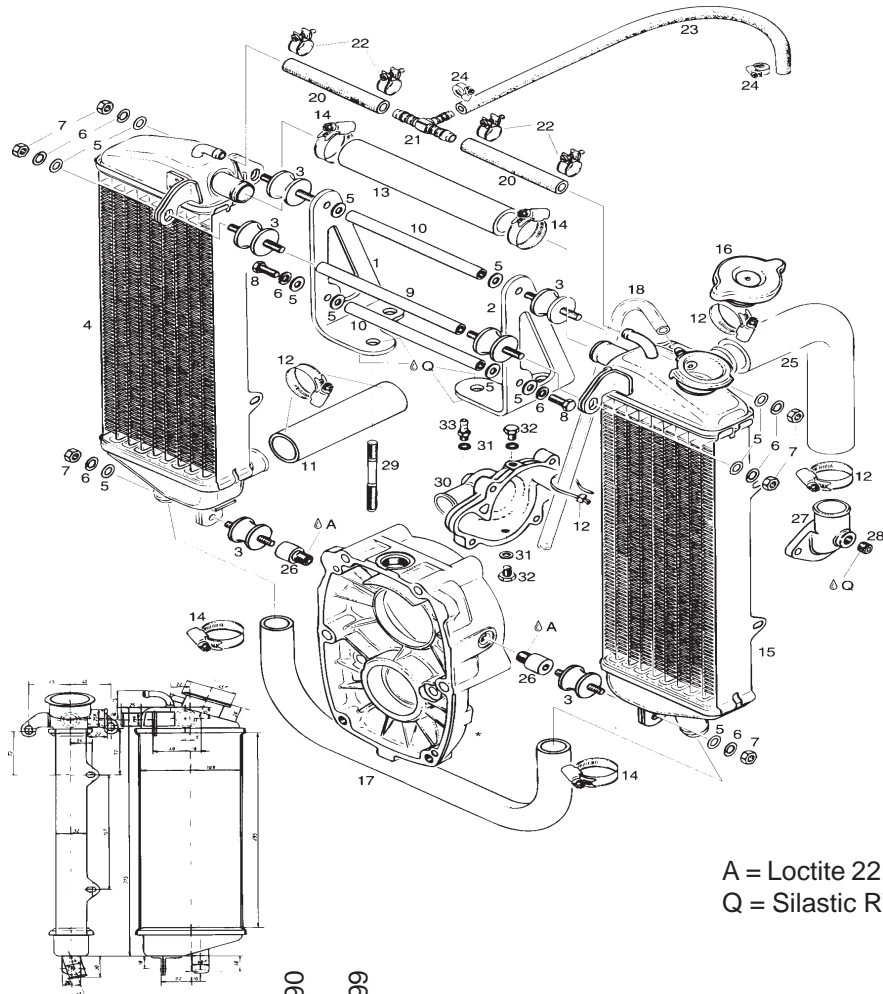
**ROTAX RECOMMENDS 50/50 MIX OF ANTI-FREEZE  
TO**

**DISTILLED WATER FOR 532/582/618**

**Lockwood Aviation Supply** [www.lockwood-aviation.com](http://www.lockwood-aviation.com) **e-mail:info@lockwood.aero**  
Order Line 1-800-LA-ROTAX Info Line 1-863-655-5100 Fax Line 1-863-655-6225

# 532/582/618 UPRIGHT SYSTEM

# RADIATORS



A = Loctite 221/222  
Q = Silastic RTV 732 silicone

## III No. Part No. Description

582 90 582 99 618

## III No. Part No. Description

582 90 582 99 618

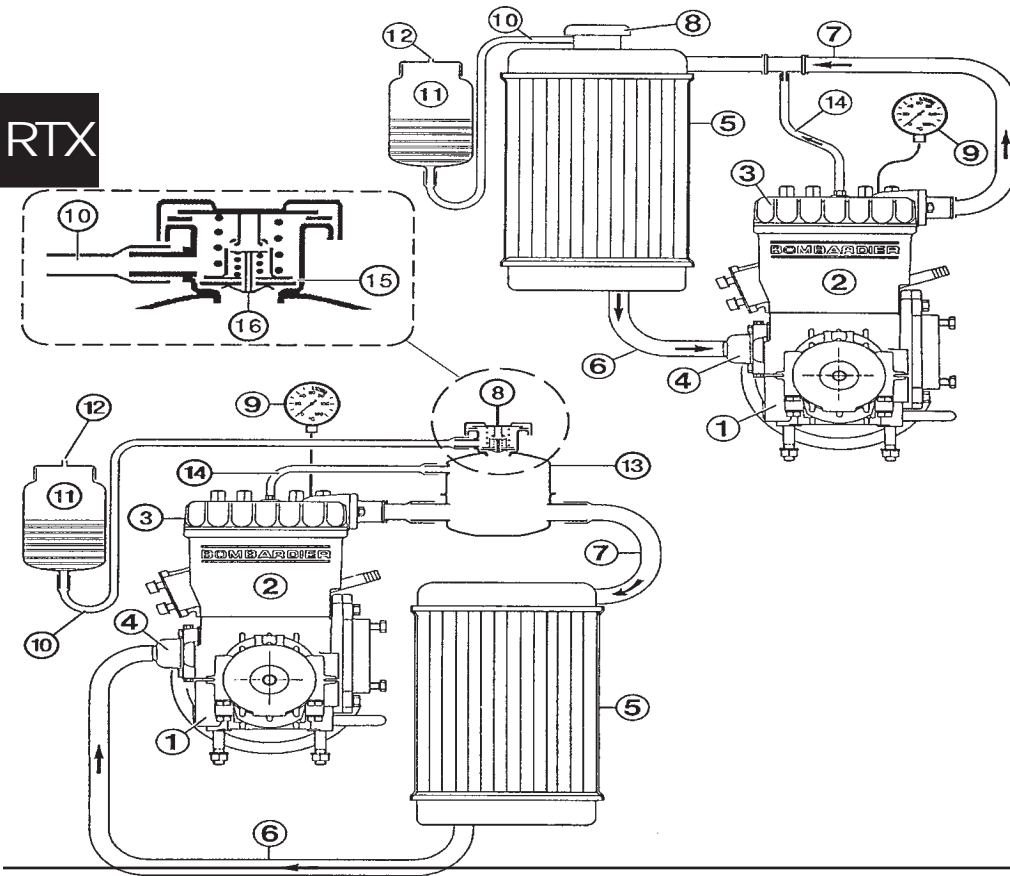
1-25	881 433	Radiator set	1	1	1
1	851 122	Radiator bracket, r	1	1	1
2	851 127	Radiator bracket, l	1	1	1
3	260 657	Rubber buffer	6	6	6
4	995 914	Radiator w/out cap	1a	1a	1a
5	244 211	Washer 6.4	12	12	12
6	945 751	Lock washer A6	8	8	8
7	242 211	Hex nut M6	6	6	6
8	241 186	Hex screw M6x16	2	2	2
9	847 600	Distance tube	1	1	1
10	847 605	Distance bolt	2	2	2
11	922 114	Connecting hose,110mm	1	1	1
12	951 880	Clamp 20-32	4	4	4
13	922 124	Connecting hose,150mm	1	1	1
14	951 870	Clamp 16-25	4	4	4
15	995 919	Radiator w/cap	1	1	1
16	922 075	Radiator cap, .9 bar	1	1	1
17	922 190	Water tube	1	1	1
18		Fuel line	*	*	*
19	866 710	Tie wrap	1	1	1
20	956 260	Low pressure hose,8x12	*	*	*
21	974 839	Reducing T, 8-6-8	1	1	1
22	951 240	Clamp 12	4	4	4
23	OIL7	Low pressure hose,18"	1	1	1

24	951 890	Clamp 7-11	2	2	2
25	922 381	Bent hose 25/90 degr	1	1	1
26	847 760	Threaded spcer M6/M10	2b	2b	
27	922 061	Bent outlet socket	1	1	1
28	240 480	Plug screw 1/8-27NPT	1	1	1
29	240 490	Stud, M8x84	4e		4e
30	222 388	Water pump housing	1		
31	830 890	Gasket ring		1	1
32	841 580	Hex screw M6x8	2	2	2
33	940 557	Hose nipple M6	1d	1d	1d

- a Cooling surface of 49.6 sq.in.
- b From engine# 3916823, A & B drive only
- c Up to engine#4916822, A & B drive only
- d For removing air when installed plugs down
- e Longer studs for 582 UL 90 and 618 required
- \* As needed, purchase separately

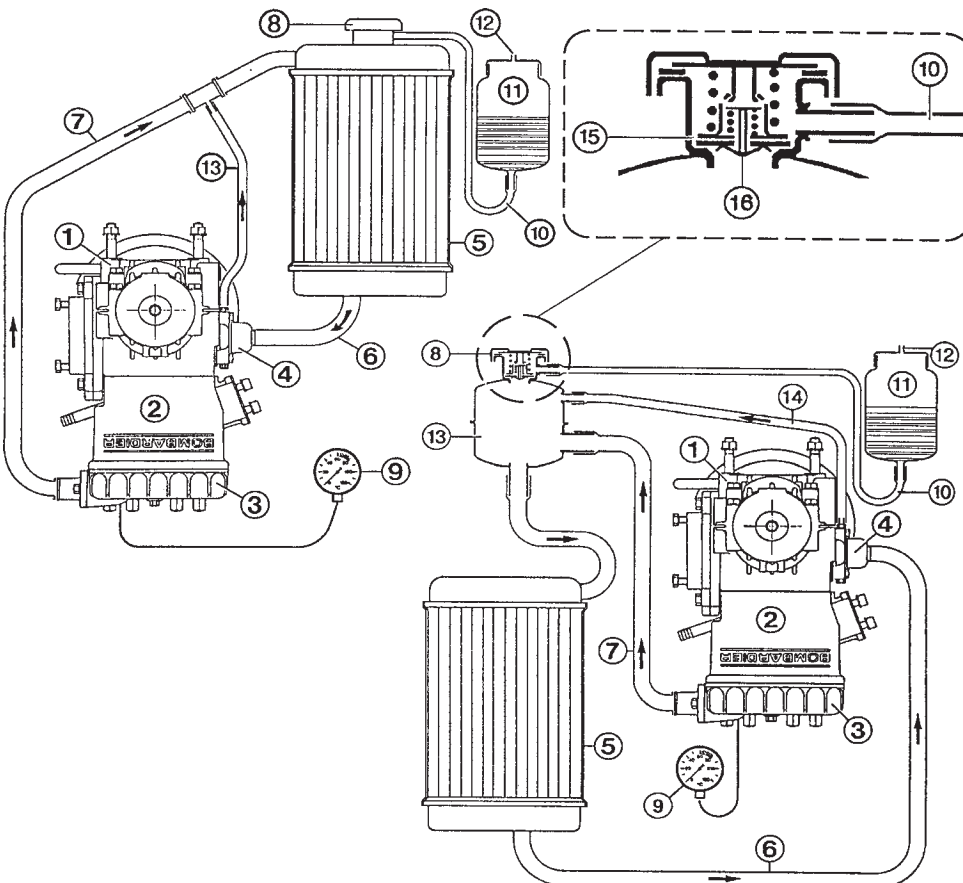
**KIT PRICE ONLY INCLUDES ITEMS 1-25. ADDITIONAL ITEMS NEEDED MUST BE ORDERED SEPARATELY DEPENDING UPON ENGINE AND GEAR DRIVE MODEL. 50/50 MIX RECOMMENDED, ALUMINUM COMPATIBLE ANTI-FREEZE WITH DISTILLED WATER.**

RTX



UPRIGHT INSTALLATION

- 1) crankcase
- 2) cylinder
- 3) cylinder head
- 4) water pump
- 5) radiator
- 6) tube from radiator to water pump
- 7) tube from cylinder head to radiator
- 8) radiator screw cap, with excess pressure valve and return valve
- 9) temperature gauge for cooling water
- 10) overflow tube
- 11) overflow reservoir
- 12) reservoir venting
- 13) expansion tank
- 14) cylinder head venting tube
- 15) excess pressure valve
- 16) return valve



INVERTED INSTALLATION

- 1) crankcase
- 2) cylinder
- 3) cylinder head
- 4) water pump
- 5) radiator
- 6) tube from radiator to water pump
- 7) tube from cylinder head to radiator
- 8) radiator screw cap, with excess pressure valve and return valve
- 9) temperature gauge for cooling water
- 10) overflow tube
- 11) overflow reservoir
- 12) reservoir venting
- 13) expansion tank
- 14) cylinder head venting tube
- 15) excess pressure valve
- 16) return valve

For this installation a vent tube has to be connected on top of the water pump housing #4 leading to the expansion tank #13 respective to the water chamber of the radiator. The cooling system has to be vented well, to be checked after a short operating period, and cooling liquid has to be refilled, if necessary. Only a perfectly vented cooling system will work properly.