

RAPCO INC. PNEUMATICS APPLICATION GUIDE

New - FAA-PMA Approved Dry Air Pumps, Filters, Regulators and Manifold Check Valves
Overhauled - FAA Approved Dry Air Pumps with FAA Form 8130-3

This Application Guide is to be used for reference only.

When selecting a part for installation consult the appropriate aircraft maintenance manual, parts catalogue, or equipment list for optional installations.

To convert an Airborne or Parker part number to RAPCO, on new dry air pumps add RAP to the beginning of the number, on other new RAPCO products add RA.

Refer to the FAA-PMA Supplement for installation eligibility.

Section 1: Type Certificated Aircraft

Section 2: Kit Plane Vacuum System Kit By RAPCO - Replacement Parts

Section 3: Dry Air Pump Application Guide for Kit Plane and Experimental Aircraft Engines

Section 4: Beecraft Rudder Boost Filter

Section 1:

Type Certificated Aircraft

Aircraft Manufacturer Model / Serial Number / Option	Engine Manufacturer & Model	Dry Air Pump		Filters	Regulator	Check Valve
		New	Overhaul			
Aero Commander / Gulfstream / Rockwell / Twin Comander						
500	LYC O-540-A	RAP215CC	211CC	RA-B3-5-1		
500-A	TCM IO-470-M	RAP216CW	212CW	RA-B3-5-1		
500-B, -U	LYC IO-540-B, -E	RAP215CC	211CC	RA-B3-5-1		
500-S	LYC IO-540-E	RAP215CC	211CC			
520	LYC GO-435-C	RAP216CW	212CW			
700 Non Deice	LYC TIO-540-R			RA2J4-7, RA-D-9-14-5		
700 Deice	LYC TIO-540-R			RA2J4-7, RA-D-9-14-5		
Aeronca - see Bellanca						
Aerospatial - see Socata						
Aerostar / Ted Smith Aerostar / Piper Aerostar						
360, 400	LYC O-360-D, -E	RAP215CC	211CC	RA2J4-4		
600 thru 701P - see Piper PA-60	LYC IO-540-G, -P	RAP241CC-13	241CC-13	RA-D-9-14-5, RA2J4-4		
PA-60-600, -601 Aerostar Non Deice						
PA-60-601P, PA-60-602P Non Deice	LYC IO-540-P, -A	RAP241CC-13	241CC-13	RA2J4-4, RA-D-9-14-5		
PA-60-601P, PA-60-602P Deice	LYC IO-540-P, -A	RAP441CC-17	441CC-17	RA2J4-4, RA-D-9-14-5		
PA-60-700P	LYC TIO-540-U	RAP441CC-17, Left	441CC-17	RA2J4-4, RA-D-9-14-5		
	LYC LTIO-540-U	RAP442CW-20, Right	442CW-20			
American Aviation - see Grumman						
American Champion - see Bellanca						
American General - see Grumman						
Aviat Aircraft						
A1C-160 Husky	LYC O-320-D2A	RAP215CC	211CC	RA1J7-1, RA-B3-5-1	RA2H3-23	
A1C-180 Husky	LYC O-320-A1P	RAP215CC	211CC	RA1J7-1, RA-B3-5-1	RA2H3-23	
A1C-200 Husky	LYC IO-360-A1D6	RAP215CC	211CC	RA1J7-1, RA-B3-5-1	RA2H3-23	
Beechcraft / Raytheon Aircraft / Hawker Beechcraft / Textron Aviation Inc.						
19A, A23-19 Musketeer SN. MB1 - MB480	LYC O-320-E	RAP215CC	211CC	RA-B3-5-1	RA2H3-2	
SN. B19, MB481 - MB701	LYC O-320-E	RAP215CC	211CC	RA-B3-5-1	RA2H3-2	
SN. MB702 - MB865	LYC O-320-E	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
SN. M19A	LYC O-320-E	RAP215CC	211CC			
23 Musketeer SN. M1 - M554	LYC O-320-D	RAP215CC	211CC	RA-B3-5-1	RA2H3-2	
A23, A23A SN. M555 - M1094	TCM IO-346-A	RAP216CW	212CW	RA-B3-5-1	RA2H3-2	
A23-24 SN. MA1 - MA363	LYC IO-360-A	RAP215CC	211CC		RA2H3-2	
B23 SN. M1096 - M1284	LYC O-360-B	RAP215CC	211CC	RA-B3-5-1	RA2H3-2	
C23 Sundowner SN. M1285 - M1979 except M1971	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1	RA2H3-2	
SN. M1971, M1980 - M2290 w/ Comf. Pk.	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
SN. M197, M1980 - M2290 w/o Comf. Pk.	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1	RA2H3-2	
SN. M2291 and up	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
24 Sierra 200 SN. MA1 - MA363	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1		
A24 SN. MA364 - MA368	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1	RA2H3-2	
A24R SN. MC2 - MC150	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1	RA2H3-2	
B24R SN. MC151 - MC274	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1	RA2H3-2	
SN. MC275 - MC451 except MC449	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
C24R SN. MC449	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
SN. MC452 - MC536 except MC533	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
SN. MC533, MC537 - MC739 w/ Comf. Pk.	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
SN. MC533, MC537 - MC739 w/o Comf.Pk	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1	RA2H3-2	
SN. MC740 and up	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	

For reference only. For installation eligibility refer to the FAA-PMA Supplement.

Aircraft Manufacturer Model / Serial Number / Option	Engine Manufacturer & Model	Dry Air Pump		Filters	Regulator	Check Valve
		New	Overhaul			
Debonair						
35-33, 35-A33 w/ Conversion Kit	TCM IO-470-J	RAP216CW	212CW			
35-B33 w/ Conversion Kit	TCM IO-470-K	RAP216CW	212CW			
35-C33 SN. CD826 - CD1118 and SN. CE1 - CE179 except CD982 w/ Conv.	TCM IO-470-K	RAP216CW	212CW		RA2H3-2	
35-C33A SN. CD826 - CD1118 and SN. CE1 - CE179 except CD982 w/ Conversion Kit	TCM IO-520-B, -BA	RAP216CW RAP242CW	212CW 242CW		RA2H3-2	
E33 Bonanza SN. CD1119 - CD1234, CE180 - CE289	TCM IO-470-K, IO-550	RAP216CW	212CW	RA-B3-5-1		
E33A SN. CD1119 - CD1234, CE180 - CE289	TCM IO-520-B	RAP216CW RAP242CW	212CW 242CW			
E33C	TCM IO-520-B, -BA, -BB	RAP216CW RAP242CW	212CW 242CW			
F33 SN. CD1244 - 1254	TCM IO-470-K, IO-550	RAP216CW	212CW	RA2J4-7, RA-D-9-14-5		
F33A SN. CE290 - CE297	TCM IO-520-B, -BA, -BB, IO-550	RAP242CW RAP442CW	242CW 442CW	RA-D-9-14-5		
SN. CE298 - CE631	TCM IO-520-B, -BA, -BB, IO-550	RAP242CW RAP442CW	242CW 442CW	RA2J4-7, RA-D-9-14-5		
SN. CE632 -CE1439, CE1441 - CE1456	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW RAP442CW	212CW 442CW	RA2J4-7, RA-D-9-14-5		
SN. CE1441 - CE1456	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW RAP442CW	212CW 442CW	RA2J4-7, RA-D-9-14-5		
SN. CE1440, CE1457 and up	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW	212CW	RA2J4-7, RA-D-9-14-5		
SN. CE1056 - CE1439, CE1441 - CE1456 w/ Standby System	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW	212CW	RA2J4-7, RA-D-9-14-5		
SN. CE1440, CE1457 and up w/ Standby	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW	212CW	RA2J4-7, RA-D-9-14-5		
F33C SN. CJ26 - CJ128	TCM IO-520-B, -BA, -BB, IO-550	RAP242CW RAP442CW	242CW 442CW	RA2J4-7, RA-D-9-14-5		
SN. CJ129 - CJ179	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW RAP442CW	212CW 442CW	RA2J4-7, RA-D-9-14-5		
SN. CJ180 and up	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW	212CW	RA2J4-7, RA-D-9-14-5		
SN. CJ156 - CJ179 w/ Standby System	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW	212CW	RA2J4-7, RA-D-9-14-5		
SN. CJ180 and up w/ Standby System	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW	212CW	RA2J4-7, RA-D-9-14-5		
G33 SN. CD1255 - CD1304	TCM IO-470-N, IO-550	RAP216CW	212CW	RA2J4-7, RA-D-9-14-5		
35-33 Debonair - See above						
35, A35 Bonanza w/ Conversion Kit	TCM E-185-1, IO-550	RAP216CW	212CW			
B35, 35R Bonanza w/ Conversion Kit	TCM E-185-8, IO-550	RAP216CW	212CW			
C35, D35, E35, F35 Bonanza w/ Conv.	TCM E-185-11, IO-550	RAP216CW	212CW			
G35 Bonanza w/ Conversion Kit	TCM E-225-8, IO-550	RAP216CW	212CW			
H35 Bonanza w/ Conversion Kit	TCM O-470-G, IO-550	RAP216CW	212CW			
J35, K35, M35 Bonanza w/ Conv. Kit	TCM IO-470-C, IO-550	RAP216CW	212CW			
N35, P35 Bonanza w/ Conversion Kit	TCM IO-470-N, IO-550	RAP216CW	212CW			
S35 Bonanza w/ Conversion Kit	TCM IO-520-B, -BA, IO-550	RAP216CW	212CW 242CW			
SN. D7310 - D7628	TCM IO-520-B, -BA, IO-550	RAP216CW	212CW	RA-B3-5-1	RA2H3-2	
SN. D7629 - D7749	TCM IO-520-B, -BA, IO-550	RAP216CW	212CW	RA-B3-5-1	RA2H3-12	
SN. D7750 - D7976	TCM IO-520-B, -BA, IO-550	RAP216CW	212CW			
V35 Bonanza	TCM IO-520-B, -BA, IO-550	RAP216CW	212CW 242CW			
V35A SN. D7977 - D8598	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW	212CW	RA-B3-5-1	RA2H3-2	
SN. D8599 - D9068	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW	212CW	RA-B3-5-1		
V35A-TC SN. D7977 - D8598	TCM TSIO-520	RAP216CW	212CW	RA-B3-5-1		
SN. D8599 - D9068	TCM TSIO-520	RAP216CW	212CW	RA-B3-5-1		
V35B SN. D9069 - D9855	TCM IO-520-B, -BA, -BB, IO-550	RAP242CW	242CW	RA-D-9-14-5		
SN. D9856 and up Option	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW RAP442CW	212CW 442CW	RA2J4-7, RA-D-9-14-5		
V35B-TC SN. D9069 - D9855	TCM TSIO-520	RAP216CW	242CW	RA2J4-7, RA-D-9-14-5		
SN. D9856 and up Option	TCM TSIO-520	RAP216CW	212CW 442CW	RA2J4-7, RA-D-9-14-5		
36, A36 Bonanza						
SN. E1 - E183	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW RAP242CW	212CW 242CW	RA-B3-5-1		
SN. E184	TCM IO-520-B, -BA, -BB, IO-550	RAP242CW RAP442CW	242CW 442CW	RA2J4-7, RA-B3-5-1		
SN. E185 - E196	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW RAP242CW	212CW 242CW	RA-B3-5-1		
SN. E197, E203 - E451	TCM IO-520-B, -BA, -BB, IO-550	RAP242CW RAP442CW	242CW 442CW	RA2J4-7, RA-B3-5-1		
SN. E452 - E813	TCM IO-520-B, -BA, -BB, IO-550	RAP242CW RAP442CW	242CW 442CW	RA2J4-7, RA-D-9-14-5		
SN. E814 - E2531 except E2524	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW	212CW	RA2J4-7, RA-D-9-14-5		
SN. E2524, E2532 and up	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW	212CW	RA2J4-7, RA-D-9-14-5		
SN. E2180 and up Standby System	TCM IO-520-B, -BA, -BB, IO-550	RAP216CW	212CW	RA2J4-7, RA-D-9-14-5		

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Aircraft Manufacturer Model / Serial Number / Option	Engine Manufacturer & Model	Dry Air Pump		Filters	Regulator	Check Valve
		New	Overhaul			
A36TC, B36TC, Bonanza SN. EA442 - EA502 and EA504 Standby	TCM TSIO-520-U, -UB, IO-550	RAP216CW	212CW	RA2J4-7, RA-D-9-14-5		
SN. EA503, EA505 and up W/ Standby Sys.	TCM TSIO-520-U, -UB, IO-550	RAP216CW	212CW	RA2J4-7, RA-D-9-14-5		
45 (YT-34) Mentor	TCM E-225-8	RAP216CW	212CW			
A45 (T-34A)	TCM O-470	RAP216CW	212CW			
B-45, D45 (T-34B)	TCM O-470	RAP216CW	212CW			
50, B50 Twin Bonanza	LYC GO-435-C	RAP216CW	212CW			
G50, H50 Twin Bonanza	LYC IGSO-480-A	RAP442CW	442CW			
55, 56, 58 Baron - See Below						
65-B80 Queen Air Non Deice SN. LD362 and up	LYC IGSO-540-A	RAP441CC-9	441CC-9	RA2J4-6, RA-D-9-14-5		
A65 Queen Air Non Deice SN. LC240 - LC270	LYC IGSO-480-A	RAP442CW	442CW	RA-B3-5-1		
SN. LC271 and up	LYC IGSO-480-A	RAP442CW	442CW	RA2J4-7, RA-D-9-14-5		
A65 Queen Air Deice SN. LC271 and up	LYC IGSO-480-A	RAP442CW	442CW	RA2J4-7, RA-D-9-14-5		
70 Queen Air	LYC IGSO-480-A	RAP442CW	442CW	RA2J4-6, RA-D-9-14-5		
95, B95 Travel Air	LYC O-360-A	RAP215CC	211CC			
B95A Travel Air	LYC IO-360-B	RAP215CC	211CC			
D95A Travel Air SN. TD534 - TD622	LYC IO-360-B				RA2H3-2	
SN. TD623 - TD707	LYC IO-360-B				RA2H3-6	
E95 Travel Air Non Deice SN. TD708 up	LYC IO-360-B	RAP215CC	211CC			
E95 Travel Air Deice SN. TD708 and up	LYC IO-360-B	RAP441CC	441CC			
95-55 Baron	TCM IO-470-L	RAP216CW RAP442CW	212CW 442CW			
95-A55 Baron	TCM IO-470-L	RAP216CW RAP442CW	212CW 442CW			
95-B55 Baron Non Deice SN. TC1608 - TC2002	TCM IO-470-L		442CW-14 442CW		RA2H3-6	
SN. TC2003 - TC2075	TCM IO-470-L	RAP216CW RAP442CW-12	212CW 442CW-12	RA2J4-7, RA-D-9-14-5		
SN. TC2076 and up	TCM IO-470-L	RAP216CW RAP442CW-14	212CW 442CW-14	RA2J4-7, RA-D-9-14-5		
95-B55 Baron Deice SN. TC2003 and up	TCM IO-470-L	RAP442CW-14	442CW-14 442CW	RA2J4-7, RA-B3-5-1		
95-C55	TCM IO-520-C	RAP242CW RAP442CW-12	242CW 442CW-12	RA-B3-5-1		
95-C55A	TCM IO-520-C	RAP242CW RAP442CW-12	242CW 442CW-12			
D55 Non Deice SN. TE452 - TE767	TCM IO-520-C, -CB	RAP242CW RAP442CW-12	242CW 442CW-12	RA2J4-7, RA-B3-5-1		
D55 Deice SN. TE452 - TE767	TCM IO-520-C, -CB	RAP442CW-12	442CW-12	RA2J4-7, RA-D-9-14-5		
D55A Non Deice	TCM IO-520-C, -CB	RAP216CW RAP242CW	212CW 242CW			
D55A Deice	TCM IO-520-C, -CB	RAP442CW-12	442CW-12			
E55 Non Deice SN. TE768 - TE936	TCM IO-520-C, -CB	RAP242CW RAP442CW-12	242CW 442CW-12	RA2J4-7, RA-B3-5-1		
SN. TE937, TE939 - TE942	TCM IO-520-C, -CB	RAP242CW RAP442CW-12	242CW 442CW-12	RA2J4-7, RA-D-9-14-5		
SN. TE938, TE943 - TE1113	TCM IO-520-C, -CB	RAP242CW	242CW	RA2J4-7, RA-D-9-14-5		
SN. TE1114 and up	TCM IO-520-C, -CB	RAP442CW-14	442CW-14	RA2J4-7, RA-D-9-14-5		
E55 Deice SN. TE768 - TE942 except TE938	TCM IO-520-C, -CB	RAP442CW-12	442CW-12	RA2J4-7, RA-D-9-14-5		
SN. TE938, TE943 - TE1074	TCM IO-520-C, -CB	RAP442CW-14	442CW-14	RA2J4-7, RA-D-9-14-5		
SN. TE1075 and up	TCM IO-520-C, -CB	RAP442CW-14	442CW-14	RA2J4-7, RA-D-9-14-5		
55A Non Deice	TCM IO-520-C, -CB	RAP216CW RAP242CW	212CW 242CW			
55A Deice	TCM IO-520-C, -CB	RAP442CW-12	442CW-12			
56TC Baron Non Deice SN. TG1 - TG51	LYC TIO-541-E	RAP242CW	242CW	RA-B3-5-1	RA2H3-6	
SN. TG52 - TG74	LYC TIO-541-E	RAP242CW	242CW	RA2J4-6, RA-B3-5-1		
SN. TG75 - TG83	LYC TIO-541-E	RAP242CW	242CW	RA2J4-6, RA-B3-5-1		
SN. TG84 - TG94	LYC TIO-541-E	RAP442CW	442CW	RA2J4-6, RA-B3-5-1		
56TC Baron Deice SN. TG52 - TG74	LYC TIO-541-E	RAP442CW	442CW	RA2J4-6, RA-B3-5-1		
58 Baron Non Deice SN. TH1 - TH177	TCM IO-520-C	RAP242CW	242CW	RA2J4-7, RA-D-9-14-5		
SN. TH178 - TH186	TCM IO-520-C	RAP242CW	242CW	RA2J4-7, RA-D-9-14-5		
SN. TH187 - TH873	TCM IO-520-C	RAP242CW	242CW	RA2J4-7, RA-D-9-14-5		
SN. TH874 and up	TCM IO-520-C	RAP216CW	212CW	RA2J4-7, RA-D-9-14-5		
58 Baron Deice SN. TH1 - TH177	TCM IO-520-C	RAP442CW-14 RAP442CW-12	442CW-14 442CW-12	RA2J4-7, RA-D-9-14-5 RA2J4-7, RA-D-9-14-5		
SN. TH178 - TH186	TCM IO-520-C	RAP442CW-14 RAP442CW-12	442CW-14 442CW-12	RA2J4-7, RA-D-9-14-5 RA2J4-7, RA-D-9-14-5		
SN. TH187 - TH851 except TH792	TCM IO-520-C	RAP442CW-14 RAP442CW-12	442CW-14 442CW-12	RA2J4-7, RA-D-9-14-5 RA2J4-7, RA-D-9-14-5		
SN. TH792, TH852 and up	TCM IO-520-C	RAP442CW-14 RAP442CW-12	442CW-14 442CW-12	RA2J4-7, RA-D-9-14-5 RA2J4-7, RA-D-9-14-5		

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Aircraft Manufacturer Model / Serial Number / Option	Engine Manufacturer & Model	Dry Air Pump		Filters	Regulator	Check Valve
		New	Overhaul			
58P Baron Non Deice SN. TJ3 - TJ4	TCM TSIO-520-L, -LB	RAP242CW-4	242CW-4	RA2J4-7		
SN. TJ5 - TJ84	TCM TSIO-520-L, -LB	RAP242CW-4	242CW-4	RA2J4-7		
SN. J85 - TJ97 except TJ86	TCM TSIO-520-L, -LB	RAP242CW-4	242CW-4	RA2J4-7		
SN. TJ86, TJ98 - TJ122	TCM TSIO-520-L, -LB	RAP242CW-4	242CW-4	RA2J4-7		
SN. TJ123 - TJ543 except TJ436	TCM TSIO-520-L, -LB	RAP242CW-4	242CW-4	RA2J4-7		
SN. TJ436, TJ444 and up	TCM TSIO-520-L, -LB	RAP242CW-4	242CW-4	RA2J4-7		
58P Baron Deice SN. TJ3 - TJ4	TCM TSIO-520-L, -LB	RAP442CW-4	442CW-4	RA2J4-7		
SN. TJ5 - TJ84	TCM TSIO-520-L, -LB	RAP442CW-4	442CW-4	RA2J4-7		
SN. TJ85 - TJ97 except TJ86	TCM TSIO-520-L, -LB	RAP442CW-4	442CW-4	RA2J4-7		
SN. TJ86, TJ316	TCM TSIO-520-L, -LB	RAP442CW-4	442CW-4	RA2J4-7		
SN. TJ317 - TJ443 except TJ436	TCM TSIO-520-L, -LB	RAP442CW-4	442CW-4	RA2J4-7		
SN. TJ436, TJ444 and up	TCM TSIO-520-L, -LB	RAP442CW-4	442CW-4	RA2J4-7		
58TC Baron Non Deice SN. TK1 - TK56	TCM TSIO-520-L, -LB	RAP242CW-4	242CW-4	RA2J4-7, RA-D-9-14-5		
SN. TK57 - TK150 except TK147	TCM TSIO-520-L, -LB	RAP242CW-4	242CW-4	RA2J4-7, RA-D-9-14-5		
58TC Baron Deice SN. TK1 - TK56	TCM TSIO-520-L, -LB	RAP442CW-4	442CW-4	RA2J4-7, RA-D-9-14-5		
SN. TK57 - TK150 except TK147	TCM TSIO-520-L, -LB	RAP442CW-4	442CW-4	RA2J4-7, RA-D-9-14-5		
60, A60 Duke Non Deice w/o Auto Pilot	LYC TIO-541-E	RAP242CW	242CW	RA-B3-5-1		
SN. P4 - P69						
SN. P70 - P246	LYC TIO-541-E	RAP242CW	242CW	RA-B3-5-1		
60, A60 Duke Non Deice w/ Auto Pilot	LYC TIO-541-E	RAP242CW	242CW	RA-B3-5-1		
SN. P4 - P69						
SN. P70 - P246	LYC TIO-541-E	RAP242CW	242CW	RA-B3-5-1		
A60 Duke Deice	LYC TIO-541-E	RAP442CW	442CW	RA-B3-5-1		
SN. P4 - P69						
SN. P70 - P246	LYC TIO-541-E	RAP442CW	442CW	RA-B3-5-1		
B60 Duke Non Deice	LYC TIO-541-E	RAP242CW	242CW	RA2J4-7, RA-D-9-14-5		
SN. P247 - P508 Single Instrument						
SN. P247 - P508 Dual Instrument	LYC TIO-541-E	RAP442CW	442CW	RA2J4-7, RA-D-9-14-5		
SN. P509 and up Single Instrument	LYC TIO-541-E	RAP242CW	242CW	RA2J4-7, RA-D-9-14-5		
SN. P509 and up Dual Instrument	LYC TIO-541-E	RAP442CW	442CW	RA2J4-7, RA-D-9-14-5		
B60 Duke Deice	LYC TIO-541-E	RAP442CW	442CW	RA2J4-7, RA-D-9-14-5		
SN. P247 - P307 Single Instrument						
SN. P308 - P378 Dual Instrument	LYC TIO-541-E	RAP442CW	442CW	RA2J4-7, RA-D-9-14-5		
SN. P379 - P508	LYC TIO-541-E	RAP242CW	242CW	RA2J4-7, RA-D-9-14-5		
SN. P509 and up	LYC TIO-541-E	RAP442CW	442CW	RA2J4-7, RA-D-9-14-5		
A65 Queen Air SN 271 and up	LYC IGSO-480-A	RAP442CW	442CW	RA2J4-7		
65-B80 Queen Air	LYC IGSO-480-A	RAP442CW	442CW	RA2J4-7, RA-D-9-14-3		
70 Queen Air	LYC IGSO-480-A	RAP442CW	442CW	RA2J4-7, RA-D-9-14-3		
76 Duchess	LYC O-360-A	RAP215CC, Left	211CC	RA2J4-7, RA-D-9-14-3		
	LYC LO-360-A	RAP216CW, Right	212CW			
77 Skipper	LYC O-235-L2C	RAP215CC	211CC	RA-B3-5-1, RA2J4-4, -7		
90 King Air SN. LJ1 - LJ113	PW PT-6			RA-B3-5-1		
A90 King Air SN. LJ141 - LJ317	PW PT-6					
B90 King Air SN. LJ318 - LJ501	PW PT-6			RA-B3-5-1	RA2H3-11	
C90 Rudder Boost Filter - see section 4:						
C90 King Air SN. LJ502 and up	PW PT-6			RA-B3-5-1	RA2H3-11, -15	
C90A King Air SN. LJ1063 and up	PW PT-6			RA-B3-5-1	RA2H3-11, -15	
C90GT King Air	PW PT-6				RA2H3-11, -15	
C90GTI King Air	PW PT-6				RA2H3-15	
E90 King Air SN. LW1 and up	PW PT-6			RA-B3-5-1	RA2H3-11, -15	
F90 SN. LA2 - LA204 except LA186,	PW PT-6			RA-B3-5-1	RA2H3-11, -15	
SN. LA200 - LA202	PW PT-6			RA-B3-5-1	RA2H3-11, -15	
95 Series Travel Air - see above	PW PT-6					
100 King Air Deice B2 - B89 and B93	PW PT-6			RA-B3-5-1	RA2H3-11	
SN. B1, B90 - B234 except B93	PW PT-6			RA-B3-5-1	RA2H3-11, -15	
SN. B235 and up	PW PT-6			RA-B3-5-1	RA2H3-15	
SN. BE1 and up	PW PT-6			RA-B3-5-1	RA2H3-15	
B100 King Air	PW PT-6				RA2H3-15	
200 Rudder Boost Filter - see section 4:						
200, B200 Super King Air Deice	PW PT-6					
SN. BB-2 thru BB-1265	PW PT-6			RA-B3-5-1	RA2H3-11, -15	
200C, B200C Super King Air Deice	PW PT-6					
SN. BL-1 thru BL-72	PW PT-6			RA-B3-5-1	RA2H3-11, -15	
200CT, B200CT Super King Air Deice	PW PT-6					
SN. BL-1 thru BL-4	PW PT-6			RA-B3-5-1	RA2H3-11, -15	
200T, B200T Super King Air Deice	PW PT-6					
SN. BL-1 thru BL-30 except BT-28	PW PT-6			RA-B3-5-1	RA2H3-11, -15	
A200, B200 Rudder Boost Filter - see section 4:						
B200GT	PW PT-6				RA2H3-15	
300, 300LW, B300, B300C	PW PT-6				RA2H3-15	
1900, 1900C, 1900D	PW PT-6				RA2H3-15	
Bellanca / American Champion / Champion						
7AC	LYC O-235-C	RAP215CC	211CC			
7GC, 7HC	LYC O-290-D	RAP215CC	211CC			

For reference only. For installation eligibility refer to the FAA-PMA Supplement.

Aircraft Manufacturer Model / Serial Number / Option	Engine Manufacturer & Model	Dry Air Pump		Filters	Regulator	Check Valve
		New	Overhaul			
7GCA, 7GCB, 7KC, 7GCBA	LYC O-320-A	RAP215CC	211CC			
7ECA	TCM O-200-A	RAP215CC-9	211CC-9			
	LYC O-235-C	RAP215CC	211CC			
7GCAA, 7GCBC	LYC O-320-A, -C	RAP215CC	211CC			
	LYC O-235-C	RAP215CC	211CC			
7KCAB, 8KCAB	LYC IO-320-E	RAP215CC	211CC			
8GCBC	LYC O-360-C	RAP215CC	211CC			
Bellanca						
14-19	LYC O-435-A	RAP215CC	211CC	RA-B3-5-1		
14-19-2	TCM O-470-D	RAP216CW	212CW			
14-19-3	TCM O-470-F	RAP216CW	212CW	RA-B3-5-1		
14-19-3A	TCM O-470-F	RAP216CW	212CW	RA-B3-5-1	RA2H3-2	
17-30 Viking	TCM IO-520-D	RAP216CW	212CW	RA-B3-5-1	RA2H3-2	
17-30A Super Viking	TCM IO-520-K	RAP216CW	212CW	RA-B3-5-1	RA2H3-12	
17-31,17-31TC	LYC IO-540-G	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
		RAP441CC-7	441CC-7			
17-31A, 17-31 ATC	LYC IO-540-G	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
		RAP441CC-7	441CC-7			
	LYC IO-540-K	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
Britten Norman / Pilatus Britten Norman						
BN-2A Islander	LYC O-540-E, IO-540-K		212CW	RA-B3-5-1, RA-D9-18-1	RA2H3-2	RA1H5-1
Deice	LYC O-540-E, IO-540-K	RAP442CW	442CW			
BN2A MK, III, III-2, BKN2A MK, III-3					RA2H3-2	
Cessna						
120, 140 with Lycoming	LYC O-235	RAP215CC	211CC			
150, 150A, B, C w/ Conversion Kit	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1		
150 SN. 15060088 - 15060772	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1	RA2H3-2	
SN. 15069309 - 15078505	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
A150K Aerobat A1500001 - A15000226	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
SN. A1500227 - A1500480	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
A150L A1500227 - A1500480	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
SN. A1500481 - A1500523	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1	RA2H3-12	
A150M SN. A1500524 - A1500685	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1	RA2H3-12	
F150K, Reims F15000530 - F15000658	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
F150L SN. F15000659 - F15001143	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
F150M SN. F15001144 - F15001189	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
SN. F15001190 - F15001339	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1	RA2H3-12	
FA150K SN. FA1500001 - FA1500081	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
FA150L SN. FA1500082 - FA1500261	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
FA150M SN. FA1500262 - FA1500271	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
SN. FA1500272 - FA1500312	TCM O-200-A	RAP215CC-9	211CC-9	RA-B3-5-1	RA2H3-12	
152 SN. 15279404 and up	LYC O-235	RAP215CC	211CC	RA-B3-5-1, RA-D-9-18-1	RA2H3-12	
152 w/ Elec. Stdby. SN. 15285940 and up	LYC O-235	RAP215CC, Primary RAP216CW, Standby	211CC 212CW	RA-B3-5-1, RA-D-9-18-1	RA2H3-12 RA2H3-12	
A152 Aerobat SN. A1520735 and up	LYC O-235	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
A152 w/ Elec. Stdby. SN. A1521028 & up	LYC O-235	RAP215CC, Primary RAP216CW, Standby	211CC 212CW	RA-B3-5-1, RA-D-9-18-1	RA2H3-12 RA2H3-23	
F152 Reims F150201429 - F15021808	LYC O-235	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
FA152 SN. FA1520337 and up	LYC O-235	RAP215CC	211CW	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
170B w/ Pully Pump Mod. 25373 and up	TCM O-300-A		212CW-6			
172 with Pully Driven Pump Mod.	TCM O-300-A, -B		212CW-6	RA-B3-5-1	RA2H3-2	
172A thru H with Pully Driven Vac Pump	TCM O-300-C		212CW-6			
172A	TCM O-300-D	RAP215CC	211CC			
172B, C Skyhawk	TCM O-300-D	RAP215CC	211CC			
172D, E	TCM O-300-D	RAP215CC	211CC			
172F, G, H SN. 17251823 - 17256512	TCM O-300-D	RAP215CC	211CC			
172 I thru P SN. 17256513 - 17257164	LYC O-320-E	RAP215CC	211CC			
SN. 17257165 - 17259760	LYC O-320-E	RAP215CC-9	211CC-9		RA2H3-12	
SN. 17259761 - 17262866	LYC O-320-E, H	RAP215CC	211CC		RA2H3-12	
SN. 17262867 - 17265684	LYC O-320-E, H	RAP215CC	211CC		RA2H3-12	
SN. 17265685 - 17276654	LYC O-320-E, H	RAP215CC	211CC		RA2H3-12	
172Q Cutlass	LYC O-360-A	RAP215CC, Primary RAP216CW, Standby	211CC 212CW		RA2H3-12	
SN. 17276260 & up w/ Elec.Standby						
172R, S Skyhawk SN. 17280001 and up	LYC IO-360-L	RAP215CC, Upper RAP216CW, Lower	215CC 216CW	RA-D9-18-1	RA2H3-48	
172RG Cutlass	LYC O-360-F	RAP215CC	211CC		RA2H3-12	
F172 Reims SN. F172-0019 - F172-0085	RR, TCM O-300-D			RA-B3-5-1	RA2H3-2	
SN. F172-0086 - F17200804	RR, TCM O-300-D			RA-D9-9-14-5		
SN. F17200805 - F17201234	TCM O-300-D	RAP215CC-9	211CC-9	RA-B3-5-1, RA-D-9-14-5		
SN. F17201235 - F17201384	LYC O-320-E	RAP215CC	211CC	RA-B3-5-1		
SN. F17201385 and up	LYC O-320-E	RAP215CC	211CC	RA-B3-5-1, RA-D-9-14-5		

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Aircraft Manufacturer Model / Serial Number / Option	Engine Manufacturer & Model	Dry Air Pump		Filters	Regulator	Check Valve
		New	Overhaul			
F172 w/ Elec.Standby F17202234 & up	LYC O-320-D	RAP215CC, Primary RAP216CW, Standby	211CC 212CW	RA-B3-5-1		
FR172K SN. FR17200591 - FR17200675	TCM, RR O-300-K, -KB	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
P172D SN. P17257120 - P17257188	TCM GO-300-E	RAP216CW	212CW		RA2H3-2	
R172E, R172F Hawk XP	TCM IO-360-D	RAP215CC	211CC			
R172H Hawk XP	TCM IO-360-C, -D, -H	RAP215CC	211CC			
R172J Hawk XP	TCM IO-360-H, -HB	RAP215CC	211CC			
R172K SN. R1722000 - R1723454	TCM IO-360-K, -KB	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
175, 175A, 175B, 175C Skylark w/ Conv.	TCM GO-300-A, -C, -D, -E	RAP216CW	212CW			
177 Cardinal SN. 17700001 - 17701164	LYC O-320-E	RAP215CC	211CC	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
SN. 17701165 - 17701530	LYC O-360-A	RAP215CC-9	211CC-9	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
SN. 17701531 - 17702542	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
SN. 17702543 - 17702752	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D-9-18-1	RA2H3-12	
177RG SN. 177RG001 - 177RG1012	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
SN. 177RG1013 - 177RG1087	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D-9-18-1	RA2H3-12	
SN. 177RG1088	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
SN. 177RG1089 - 177RG1386	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D-9-18-1	RA2H3-12	
F177RG SN. F177RG001 - F177RG0160	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
SN. F177RG0161 - F177RG0177	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
180, 180A thru F Skywagon w/ Conv.	TCM O-470-A, -K, -L, -R	RAP216CW	212CW	RA-B3-5-1, RA-D-9-14-5		
180G	TCM O-470-L, -R	RAP216CW	212CW	RA-B3-5-1	RA2H3-2	
180 SN. 18051446 - 18052309	TCM O-470-L, -R	RAP216CW	212CW	RA-D-9-14-5		
SN. 18052310 - 18052384	TCM O-470-L, -R, -S	RAP216CW	212CW	RA-B3-5-1, RA-D-9-14-5		
182 thru G Skylane w/ Conversion Kit	TCM O-470-L, -R	RAP216CW	212CW	RA-B3-5-1		
182H thru M SN. 18255845 - 18260445	TCM O-470-R, -S	RAP216CW	212CW	RA-D-9-14-5		
182N and P SN. 18260446 - 18262465	TCM O-470-R, -S	RAP216CW	212CW	RA-B3-5-1, RA-D-9-14-5	RA2H3-12	
SN. 8260466 - 18262778	TCM O-470-R, -S	RAP216CW	212CW	RA-D-9-14-5	RA2H3-12	
SN. 182662779 - 18265175	TCM O-470-R, -S	RAP216CW	212CW	RA1J10-1	RA2H3-12	
SN. 182665716 and up	TCM O-470-R, -S	RAP216CW	212CW	RA-D-9-18-1	RA2H3-12	
w/ Elec. Driven Pump 18268435 and up	TCM O-470-R, -S	RAP216CW	212CW		RA2H3-12	
182Q thru R Skylane	TCM O-470-U	RAP216CW	212CW		RA2H3-12	
182S, 182T, T182T SN. 18280001 and up	LYC IO-540-A LYC IO-540-A	RAP215CC, Upper RAP216CW, Lower	215CC 216CW		RA2H3-48	
F182 Reims SN. F18200001 - F18200025	TCM O-470-S	RAP216CW	212CW	RA1J10-1		
SN. F18200026 - F18200169	TCM O-470-U	RAP216CW	212CW	RA-D-9-18-1		
FR182 SN. F18200001 - F18200070	LYC O-540-J	RAP215CC	211CC	RA-B3-5-1, RA-D-9-18-1	RA2H3-12	
R182, TR182 SN. R18200001 and up	LYC O-540-J	RAP215CC	211CC	RA-B3-5-1, RA-D-9-18-1	RA2H3-12	
w/ Elec. Drive Pump R18202000 and up	LYC O-540-J	RAP216CW	212CW			
T182 SN. 18267716 - 18268434	LYC O-540-L	RAP215CC	211CC	RA-D-9-18-1	RA2H3-12	
SN. 18268435 and up, Elec. Driven Pump	LYC O-540-L	RAP216CW	212CW	RA-D-9-18-1		
185A, B, Skywagon w/ Conversion Kit	TCM IO-470-F	RAP216CW	212CW			
185C SN. 185-0654 - 185-0776	TCM IO-470-F	RAP216CW	212CW		RA2H3-2	
185D SN. 185-0777 - 18502142	TCM IO-470-F	RAP216CW	212CW			
185 SN. 18502143 - 18502310	TCM IO-520-D	RAP216CW	212CW			
A185E, F	TCM IO-520-D	RAP216CW	212CW			
188, 188A, 188B Ag Wagon	TCM O-470-R, -S	RAP216CW	212CW			
A188, A188A, A188B	TCM IO-520-D	RAP216CW	212CW			
205, 205A	TCM IO-470-S	RAP216CW	212CW			
206 Stationair / Super Skywagon	TCM IO-520-A	RAP216CW	212CW			
206, U206, U206A, P206, P206A thru E						
206 SN. 20680001 and up	LYC IO-540-A	RAP215CC, Upper RAP216CW, Lower	211CC 212CW		RA2H3-48	
U206B thru G	TCM IO-520-F	RAP216CW	212CW	RA-B3-5-1		
U206, TU206 Stationair Single Pump	TCM IO-520-FC, TSIO-520-C,M	RAP216CW	212CW	RA-B3-5-1, RA-D-9-14-5		
SN. U20602200 - U20603449						
SN. U20603450 and up	TCM IO-520-FC, TSIO-520-C,M	RAP216CW	212CW	RA-B3-5-1		
U206, TU206 Dual Pump	TCM IO-520-A,F, TSIO-520-C,M	RAP216CW, Right	212CW	RA-B3-5-1		
SN. U20606700 and up						
U206, TU206 w/ Electric Standby	TCM IO-520-A,F, TSIO-520-C,M	RAP216CW	212CW	RA-B3-5-1		
TU206A thru E, TP206A thru E	TCM TSIO-520-C	RAP216CW	212CW			
TU206F	TCM TSIO-520-C	RAP242CW	242CW			
207 T207 Skywagon	TCM IO-520-F, TSIO-520-G,-M	RAP216CW	212CW	RA-D-9-14-5		
SN. 20700001 - 20700220						
SN. 20700221 - 20700355 & 20700365	TCM IO-520-F, TSIO-520-G,-M	RAP216CW	212CW	RA-B3-5-1, RA-D-9-14-5		
SN. 20700730 and up	TCM IO-520-F, TSIO-520-G,-M	RAP216CW	212CW	RA-B3-5-1, RA-D-9-18-1		
208, 208A, 208B						
210 (Centurion) Non Deice Single Pump w/ Conversion Kit	TCM IO-470-E, -S, IO-520-L	RAP216CW	212CW	RA-B3-5-1		
210 Non Deice, Dual Pump w/ Conv. Kit	TCM IO-470-E, -S, IO-520-A, -L	RAP216CW	212CW	RA-B3-5-1		
With SK210-103 Mod. w/ Conversion Kit	TCM IO-470-E, -S, IO-520-A, -L	RAP216CW	212CW	RA-B3-5-1		
210 Electric System w/ Conversion Kit	TCM IO-470-E, -S, IO-520-A, -L	RAP216CW	212CW	RA-B3-5-1		
210 Deice, Single Pump w/ Conversion Kit	TCM IO-470-E, -S, IO-520-A, -L	RAP442CW-8	442CW-8	RA-B3-5-1		
210 Deice, Dual Pump	TCM IO-520-A, -J, -L	RAP216CW, Left RAP442CW-8, Right	212CW 442CW-8	RA-B3-5-1		
SN. 21064136 - 21064535 w/ Mod.						

For reference only. For installation eligibility refer to the FAA-PMA Supplement.

Aircraft Manufacturer Model / Serial Number / Option	Engine Manufacturer & Model	Dry Air Pump		Filters	Regulator	Check Valve
		New	Overhaul			
SN. 21064536 - 21064772	TCM IO-520-A, -J, -L	RAP216CW, Left RAP442CW-8, Right	212CW 442CW-8	RA-B3-5-1		
SN. 21064773 thru 21064897	TCM IO-520-A, -J, -L	RAP442CW-8	442CW-8	RA-B3-5-1		
SN. 21064898 - 21065009	TCM IO-520-L	RAP442CW-8	442CW-8	RA-B3-5-1		
T210 Non Deice, Single Pump SN. 21059810 and up	TCM TSIO-520-C, -H, -R	RAP216CW	212CW			
T210 Non Deice, Dual Pump SN. 21064536 - 21064772	TCM TSIO-520-C, -H, -R	RAP216CW	212CW			
SN. 21064136 - 21064535 w/ Mod.	TCM TSIO-520-C, -H, -R	RAP216CW, Left	212CW			
T210 with Electric Driven System	TCM TSIO-520-C, -H, -R	RAP216CW	212CW		RA2H3-2	
T210 Deice, Single Pump	TCM TSIO-520-C, -H, -R	RAP442CW-8	442CW-8			
T210 Deice, Dual Pump SN. 21064136 - 21064535 w/ Mod.	TCM TSIO-520-C, -H, -R	RAP216CW, Left RAP442CW-8, Right	212CW 442CW-8			
SN. 21064536 - 21064772	TCM TSIO-520-C, -H, -R	RAP216CW, Left RAP442CW-8, Right	212CW 442CW-8			
SN. 21064773 - 21064897	TCM TSIO-520-C, -H, -R	RAP216CW, Left RAP442CW-8, Right	212CW 442CW-8			
SN. 21064898 and up	TCM TSIO-520-C, -H, -R	RAP442CW-8	442CW-8		RA2H3-2	
P210 Non Deice, Single Pump SN. P21000001 - P21000811	TCM TSIO-520-P	RAP216CW	212CW			
SN. P21000812 and up	TCM TSIO-520-P	RAP216CW	212CW			
P210 Non Deice, Dual Pumps	TCM TSIO-520-P	RAP216CW	212CW			
P210 Electric Driven Pump SN. P21000835 and up	TCM TSIO-520-P	RAP216CW	212CW			
SN. P21000001 - P21000760 w/ Mod.	TCM TSIO-520-P	RAP216CW RAP442CW-8	212CW 442CW-8			
SN. P21000835 and up	TCM TSIO-520-P	RAP216CW	212CW			
P210 Deice, Single Pump SN. P21000001 - P21000811	TCM TSIO-520-P	RAP442CW-8	442CW-8			
SN. P21000812 and up	TCM TSIO-520-P	RAP442CW-8	442CW-8			
P210 Deice, Dual Pump SN. P210000761 - P21000834	TCM TSIO-520-P	RAP442CW-8	442CW-8			
SN. P21000835 and up	TCM TSIO-520-P	RAP442CW-8	442CW-8			
SN. P21000001 - P21000760 w/ Mod.	TCM TSIO-520-P	RAP216CW, Left RAP442CW-8, Right	212CW 442CW-8			
T303 Crusader Non Deice	TCM TSIO-520-AE TCM LTSIO-520-AE	RAP216CW, Left RAP215CC, Right	212CW 211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-2	RA1H5-1
T303 Deice	TCM TSIO-520-AE TCM LTSIO-520-AE	RAP442CW-8, Left RAP441CC-3, Right	442CW-8 441CC-3			
305A thru F Bird Dog	TCM O-470	RAP216CW	212CW			
310	TCM O-470-B, -M	RAP216CW	212CW	RA-B3-5-1		
310A, 310B	TCM O-470-B, -M	RAP216CW	212CW			
310C thru H and J Non Deice	TCM O-470-D, -U	RAP216CW RAP242CW	212CW 242CW			
310C thru H and J Deice	TCM O-470-D, -U	RAP442CW	442CW			
E310H, E310J Non Deice	TCM IO-470-D, -U	RAP216CW RAP242CW	212CW 242CW			
E310H, E310J Deice	TCM IO-470-D, -U	RAP442CW	442CW			
310I, 310J Non Deice w/ Conversion Kit	TCM IO-470-U	RAP216CW RAP242CW	212CW 242CW			
310I, 310J Deice	TCM IO-470-U	RAP442CW	442CW			
310K Non Deice	TCM IO-470-V, -VO	RAP216CW RAP242CW	212CW 242CW			
310K Deice	TCM IO-470-V, -VO	RAP442CW	442CW			
310L , without Auto Pilot w/ Conv. Kit	TCM IO-470-V, -VO			RA-B3-5-1, RA-D9-18-1		RA1H5-1
310L with Auto Pilot	TCM IO-470-V, -VO	RAP242CW	242CW	RA-B3-5-1, RA-D-9-14-5		RA1H5-1
310N , without Auto Pilot	TCM IO-470-V, -VO			RA-B3-5-1, RA-D-9-14-5		RA1H5-1
310N with Auto Pilot	TCM IO-470-VO	RAP242CW	242CW	RA-B3-5-1, RA-D-9-14-5		RA1H5-1
310P , without Auto Pilot, w/ Conv. Kit	TCM IO-470-VO	RAP216CW	212CW	RA-B3-5-1, RA-D-9-14-5		RA1H5-1
with Auto Pilot	TCM IO-470-VO	RAP242CW	242CW	RA-B3-5-1, RA-D-9-14-5		RA1H5-1
T310P w/ Conversion Kit	TCM TSIO-520-B, -BB	RAP242CW	242CW			
T310P Deice	TCM TSIO-520-B, -BB	RAP442CW	442CW			
310Q , without Auto Pilot, w/ Conv. Kit	TCM TSIO-520-B, -BB					
SN. 310Q0001 - 310Q0459	TCM IO-470-VO			RA-B3-5-1, RA-D-9-14-5		RA1H5-1
SN. 310Q0460 - 310Q0952	TCM IO-470-VO			RA-B3-5-1, RA-D-9-14-5	RA2H3-5	
SM. 310Q0953 and up	TCM IO-470-VO	RAP216CW	212CW	RA-B3-5-1, RA-D-9-14-5	RA2H3-5	
310Q with Auto Pilot w/ Conversion Kit						
SN. 310Q0001 - 310Q0459	TCM IO-470-VO	RAP242CW	242CW	RA-B3-5-1, RA-D-9-14-5		RA1H5-1
SN. 310Q0460 and up	TCM IO-470-VO	RAP242CW	242CW	RA-B3-5-1	RA2H3-5	
T310Q Non Deice, w/ Conversion Kit	TCM TSIO-520-B, -BB	RAP242CW	242CW			
T310Q Deice	TCM TSIO-520-B, -BB	RAP442CW	442CW			
310R Non Deice	TCM IO-520-M, -MB	RAP216CW	212CW	RA-B3-5-1, RA2J4-4	RA2H3-5	
310R Deice	TCM IO-520-M, -MB	RAP442CW	442CW	RA2J4-4		
T310R Non Deice, w/ Conversion Kit	TCM TSIO-520-B, -BB	RAP242CW	242CW	RA2J4-4		

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Aircraft Manufacturer Model / Serial Number / Option	Engine Manufacturer & Model	Dry Air Pump		Filters	Regulator	Check Valve
		New	Overhaul			
T310R Deice	TCM TSIO-520-B, -BB	RAP442CW	442CW			
320, -1, -A, -B Skynight , w/o Auto Pilot	TCM TSIO-470-B, -C	RAP216CW	212CW			
with Auto Pilot, w/ Conversion Kit	TCM TSIO-470-B, -C		242CW			
with Deice, w/ Conversion Kit	TCM TSIO-470-B, -C		442CW			
320 Skynight , without Auto Pilot, w/ Con.	TCM TSIO-470-D	RAP216CW	212CW			
with Auto Pilot	TCM TSIO-470-D	RAP242CW	242CW			
320 Deice	TCM TSIO-470-D	RAP442CW	442CW			
320D thru F Skynight w/ Conversion Kit	TCM TSIO-520-B, -BB	RAP242CW	242CW			
Deice w/ Conversion Kit	TCM TSIO-520-B, -BB	RAP442CW	442CW			
321	TCM O-470-2	RAP216CW	212CW			
335 Non Deice	TCM TSIO-520-EB	RAP216CW	212CW	RA-B3-5-1		
335 Deice	TCM TSIO-520-EB	RAP442CW	442CW	RA-B3-5-1		
336 Skymaster	TCM IO-360-A	RAP215CC	211CC	RA-B3-5-1		
337 Skymaster , Non Deice SN. 3370001 - 3370755	TCM IO-360-C, -D, -DB	RAP215CC	211CC	RA-B3-5-1, RA-D-9-14-5		
SN. 3370756 - 3370963	TCM IO-360-C, -D, -DB	RAP215CC	211CC	RA-B3-5-1, RA-D-9-14-5		
SN. 3370964 - 3371193	TCM IO-360-C, -D, -DB	RAP215CC-9	211CC-9	RA-B3-5-1, RA-D-9-14-5		
SN. 3371194 - 33701462	TCM IO-360-C, -D, -DB	RAP215CC	211CC	RA-B3-5-1, RA-D-9-14-5		
SN. 33701463 - 33701550	TCM IO-360-C, -D, -DB	RAP215CC	211CC	RA-B3-5-1, RA-D-9-14-5		
SN. 33701551 - 33701610	TCM IO-360-C, -D, -DB	RAP215CC	211CC	RA-B3-5-1, RA1J10-1		
SN. 33701611	TCM IO-360-C, -D, -DB	RAP215CC	211CC	RA-B3-5-1, RA1J10-1		
337 Deice SN. 33701490 and up	TCM IO-360-C, -D, -DB	RAP441CC	441CC	RA-B3-5-1		
F337 Non Deice SN. F33700001 - F33700055	TCM IO-360-GB	RAP215CC	211CC	RA-D-9-14-5		
SN. F33700056 - F33700063	TCM IO-360-GB	RAP215CC	211CC	RA-D-9-14-5		
SN. F33700064 - F33700074	TCM IO-360-GB	RAP215CC	211CC	RA1J10-1		
SN. F33700075 - F33700086	TCM IO-360-GB	RAP215CC	211CC	RA1J10-1		
F337 Deice SN. F33700056 and up	TCM IO-360-GB	RAP441CC	441CC			
FT337 Non Deice SN. F3370001 - F33700015	TCM IO-360-GB	RAP215CC	211CC	RA-D-9-14-5		
SN. F3370016 and up	TCM IO-360-GB	RAP215CC	211CC	RA1J10-1		
FT337 Deice SN. F3370001 and up	TCM IO-360-GB	RAP441CC	441CC			
SN. M337B	TCM IO-360-D, -DB	RAP215CC	211CC			
P337 SN. P3370001 - P3370226	TCM TSIO-360-C, -CB	RAP215CC	211CC			
P337 Deice SN. P3370053 and up	TCM TSIO-360-C, -CB	RAP441CC	441CC	RA-B3-5-1		
P337H	TCM TSIO-360-C, -DB	RAP215CC	211CC	RA1J10-1		
	TCM TSIO-360-C, -DB	RAP441CC	441CC			
T337B	TCM TSIO-360-A, -B	RAP215CC	211CC			
	TCM TSIO-360-A	RAP441CC	441CC			
T337C thru F	TCM TSIO-360-A	RAP215CC	211CC			
	TCM TSIO-360-A	RAP441CC	441CC			
T337G Non Deice SN. P3370001 - P3370225	TCM TSIO-360-C, -CB	RAP215CC	211CC	RA-B3-5-1, RA-D-9-14-5		
SN. P3370226	TCM TSIO-360-C, -CB	RAP215CC	211CC	RA-B3-5-1, RA1J10-1		
T337G Deice SN. P3370053 and up	TCM TSIO-360-C, -CB	RAP441CC	441CC	RA-B3-5-1		
T337H Skymaster	TCM TSIO-360H, -HB, -JB	RAP215CC	211CC	RA1J10-1		
T337H-SP Skymaster	TCM TSIO-360H, -HB, -JB	RAP215CC	211CC			
340 with Single Instruments	TCM TSIO-520-K, -KB	RAP216CW	212CW	RA-B3-5-1	RA2H3-5	
340 with Dual Instruments	TCM TSIO-520-K, -KB	RAP442CW	442CW	RA-B3-5-1	RA2H3-5	
340 with Auto Pilot	TCM TSIO-520-K, -KB	RAP242CW	242CW	RA-B3-5-1	RA2H3-5	
340A Non Deice, Single Instruments	TCM TSIO-520-N, -NB	RAP442CW	442CW	RA-B3-5-1	RA2H3-5	
340A with Auto Pilot	TCM TSIO-520-N, -NB	RAP242CW	242CW	RA-B3-5-1	RA2H3-5	
340A Deice	TCM TSIO-520-N, -NB	RAP442CW	442CW	RA-B3-5-1	RA2H3-5	
401, 401A without Auto Pilot, w/ Conv. Kit	TCM TSIO-520-E, -EB	RAP216CW	212CW	RA-B3-5-1, RA2J4-4	RA2H3-5	
401, 401A with Auto Pilot, w/ Conv. Kit	TCM TSIO-520-E, -EB	RAP242CW	242CW 442CW	RA-B3-5-1, RA2J4-4	RA2H3-5	
401B without Auto Pilot SN. 401B0001 - 401B0100	TCM TSIO-520-E, -EB	RAP216CW	212CW	RA-B3-5-1, RA-D-9-14-5, RA2J4-4	RA2H3-5	
SN. 401B0101 - 401B0300	TCM TSIO-520-E, -EB	RAP216CW	212CW	RA-B3-5-1, RA2J4-4	RA2H3-5	
401B with Auto Pilot SN. 401B0001 - 401B0100	TCM TSIO-520-E, -EB	RAP242CW	242CW 442CW	RA-B3-5-1, RA-D-9-14-5, RA2J4-4	RA2H3-5	
SN. 401B0101 - 401B0300	TCM TSIO-520-E, -EB	RAP242CW	242CW 442CW	RA-B3-5-1, RA2J4-4	RA2H3-5	
402 w/ Conversion Kit	TCM TSIO-520-E, -EB	RAP216CW	212CW	RA-B3-5-1, RA2J4-4	RA2H3-5	
402A without Auto Pilot, w/ Conv. Kit	TCM TSIO-520-E, -EB	RAP216CW	212CW	RA-B3-5-1, RA-D-9-14-5	RA2H3-5	
402A with Auto Pilot, w/ Conversion Kit	TCM TSIO-520-E, -EB	RAP242CW	242CW 442CW	RA-B3-5-1, RA-D-9-14-5, RA2J4-4	RA2H3-5	
402B without Auto Pilot SN. 401B0001 - 401B0100	TCM TSIO-520-E, -EB	RAP216CW	212CW	RA-B3-5-1, RA-D-9-14-5, RA2J4-4	RA2H3-5	
SN. 401B0101 and up	TCM TSIO-520-E, -EB	RAP216CW	212CW	RA-B3-5-1, RA2J4-4	RA2H3-5	
402B with Auto Pilot SN. 401B0001 - 401B0100	TCM TSIO-520-E, -EB	RAP242CW	242CW 442CW	RA-B3-5-1, RA-D-9-14-5, RA2J4-4	RA2H3-5	
SN. 401B0101 and up	TCM TSIO-520-E, -EB	RAP242CW	242CW 442CW	RA-B3-5-1, RA2J4-4	RA2H3-5	

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Aircraft Manufacturer Model / Serial Number / Option	Engine Manufacturer & Model	Dry Air Pump		Filters	Regulator	Check Valve
		New	Overhaul			
404 Titan	TCM GTSIO-520-M	RAP215CC	211CC			
411, 411A without Auto Pilot	TCM GTSIO-520-C	RAP215CC	211CC		RA2H3-5	
with Auto Pilot	TCM GTSIO-520-C	RAP241CC	241CC			
414, 414A Chancellor Vac. Instrument SN. 4140001 - 4140150	TCM TSIO-520-J, -JB, -N, -NB	RAP216CW	212CW	RA-B3-5-1	RA2H3-5	
SN. 4140151 - 4140349	TCM TSIO-520-J, -JB, -N, -NB	RAP216CW	212CW	RA-B3-5-1	RA2H3-5	
414, 414A with Auto Pilot SN. 4140001 - 4140150	TCM TSIO-520-J, -JB, -N, -NB	RAP242CW	242CW	RA-B3-5-1	RA2H3-5	
SN. 4140151 - 4140349	TCM TSIO-520-J, -JB, -N, -NB	RAP242CW	242CW	RA-B3-5-1	RA2H3-5	
414, 414A Pressure Instr. 4140251 & up	TCM TSIO-520-J, -JB, -N, -NB	RAP216CW	212CW	RA-B3-5-1		
414, 414A w/ Auto Pilot 4140251 & up	TCM TSIO-520-J, -JB, -N, -NB	RAP242CW	242CW	RA-B3-5-1		
414A with Dual Instruments	TCM TSIO-520-J, -JB, -N, -NB	RAP442CW	442CW	RA-B3-5-1	RA2H3-5	
414A Deice	TCM TSIO-520-J, -JB, -N, -NB	RAP442CW	442CW	RA-B3-5-1	RA2H3-5	
421, A, B Golden Eagle w/o Auto Pilot SN. 421B0001 - 421B0601	TCM GTSIO-520-D, -H	RAP215CC	211CC	RA-B3-5-1	RA2H3-5	
SN. 421B0602 and up	TCM GTSIO-520-D, -H	RAP215CC	211CC			
421, A with Auto Pilot SN. 421B0001 - 421B0601	TCM GTSIO-520-D, -H	RAP241CC	241CC	RA-B3-5-1	RA2H3-5	
SN. 421B0602 and up	TCM GTSIO-520-D, -H	RAP241CC	241CC			
421C Non Deice 1976 thru 1985	TCM GTSIO-520-L, N	RAP215CC	211CC	RA-B3-5-1	RA2H3-5	
421C Dual Instrument C1097 and up	TCM GTSIO-520-L, N	RAP441CC	441CC	RA-B3-5-1	RA2H3-5	
421C Deice 1976 thru 1985	TCM GTSIO-520-L, N	RAP441CC	441CC	RA-B3-5-1	RA2H3-5	
Commander - see Rockwell						
de Havilland - see Viking Air Limited (Twin Otter)						
Fairchild / M7 Aerospace						
SA26-AT Merlin IIB	GAR TPE331-151G				RA2H3-2	
SA226-T, SA226-AT, SA226-T(B) Metro	GAR TPE331-513G			RA-B3-5-1	RA2H3-2	
SA227-AT, SA227-TT Metro III	GAR TPE331-303G				RA2H3-2	
Grumman American / American Aviation / American General / Gulfstream / Tiger Aircraft						
AA-1, AA-1A Yankee, Trainer	LYC O-235-C	RAP215CC	211CC	RA1J7-1		
AA-1B Trainer, TC	LYC O-235-C	RAP215CC	211CC	RA1J7-1	RA2H3-12	
SN. AA-1B-0379 and up	LYC O-235-C	RAP215CC	211CC		RA2H3-12	
AA-1C, T Cat / Lynx	LYC O-235-L	RAP215CC	211CC		RA2H3-12	
AA-5 Traveler	LYC O-320-E	RAP215CC	211CC	RA-B3-5-1, RA1J7-1	RA2H3-12	
AA-5A Cheetah	LYC O-320-E	RAP215CC	211CC	RA1J7-1	RA2H3-12	
AA-5B Tiger	LYC O-360-A	RAP215CC	211CC	RA1J7-1	RA2H3-12	
GA-7 Cougar	LYC O-320-D	RAP215CC	211CC	RA2J4-7		
Gulfstream - also see Aero Commander						
Hawker - see Beechcraft						
Helio						
H295	LYC GO-480-G	RAP216CW	212CW	RA-B3-5-1	RA2H3-2	
Lake						
LA-4-200 Buccaneer	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1, RA1J7-1		
250 Renegade	LYC O-540-C	RAP215CC	211CC			
Maule						
M-4-180	Franklin 6A-335-B	RAP216CW	212CW			
M-4-210	TCM IO-360-A, -D	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-2	
M-4-220	Franklin 6A-350-C	RAP216CW	212CW	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
M-5-180C	LYC O-360-C	RAP215CC	211CC			
M-5-200	LYC IO-360-J	RAP215CC	211CC			
M-5-235	LYC O-540-J, IO-540-W	RAP215CC	211CC		RA2H3-12	
M-6-180	LYC O-360-C	RAP215CC	211CC			
M-6-235	LYC O-540-J, IO-540-W	RAP215CC	211CC			
Mitsubishi						
MU-2B-20, -25					RA2H3-6	
Mooney						
M20	LYC O-320	RAP215CC	211CC	RA1J7-1		
M20A	LYC O-360-A	RAP215CC	211CC	RA1J7-1		
M20B SN. 1701B - 1939B	LYC O-360-A	RAP215CC	211CC	RA1J7-1	RA2H3-12	
M20C SN. 194CC up, 680001 - 680225C	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1, RA1J7-1	RA2H3-12	
SN. 690001 and up	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1, RA1J7-1		
M20D SN. 101D and up	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1, RA1J7-1	RA2H3-12	

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Aircraft Manufacturer Model / Serial Number / Option	Engine Manufacturer & Model	Dry Air Pump		Filters	Regulator	Check Valve
		New	Overhaul			
M20E SN. 101E and up	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1, RA1J7-1	RA2H3-12	
SN. 69001 and up	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1, RA1J7-1		
M20F SN. 670001 - 680215	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1, RA1J7-1	RA2H3-12	
SN. 690001 and up	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1, RA1J7-1		
M20G SN. 680001 - 680205	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1, RA1J7-1	RA2H3-12	
SN. 690001 - 70006	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1, RA1J7-1		
M20J SN. 24-0001 thru 24-1604	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
SN. 24-1605 and up	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1, RA1J4-6	RA2H3-12	
SN. 24-0001 - 24-2999 (Standby System)	LYC IO-360-A	RAP216CW	212CW	RA-B3-5-1		
SN. 24-3000 and up (Standby System)	LYC IO-360-A	RAP215CC	211CC	RA-B3-5-1		
M20K with Single Alternator	TCM TSIO-360-G, -L, -M, -S	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
SN. 25-1001 thru 25-1087		RAP241CC	241CC			
SN. 25-1088 and up	TCM TSIO-360-G, -L, -M, -S	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
		RAP241CC	241CC	RA2J4-6		
M20K with Dual Alt. SN. 25000 and up	TCM TSIO-360-G, -L, -M, -S	RAP216CW	212CW	RA-B3-5-1	RA2H3-12	
		RAP242CW-10	242CW-10			
M20K with Standby Sys. SN. 25-1001 up	TCM TSIO-360-G, -L, -M, -S	RAP216CW	212CW	RA-B3-5-1		
M20M	LYC TIO-540-A	RAP241CC-15	241CC-15	RA-B3-5-1, RA-D9-18-1, RA2J4-6		
M20R	TCM IO-550-G	RAP242CW	242CW	RA-B3-5-1, RA-D9-18-1, RA2J4-6		
		RAP242CW-10	242CW-10			
M22	LYC TIO-541	RAP216CW	212CW	RA-B3-5-1, RA1J7-1		
Navion						
G	TCM IO-470-H	RAP216CW	212CW			
H	TCM IO-520-B	RAP216CW	212CW			
Partenavia - see Vulcanair						
Piaggio						
P.136-L	LYC GO-435-C2B	RAP216CW	212CW			
Pilatus BN - see Britten Norman						
Piper / The New Piper						
J5C	LYC O-235-C	RAP215CC	211CC			
PA-12, PA-12S	LYC O-235-C	RAP215CC	211CC			
PA-14	LYC O-235-C1	RAP215CC	211CC			
PA-16, -16S	LYC O-235-C1	RAP215CC	211CC			
PA-18 Super Cub	LYC O-235-C, O-290-D, 0-320	RAP215CC	211CC	RA-B3-5-1	RA2H3-23	
SN. 18-8020 thru 18-7609012						
SN. 18-7609013 and up	LYC O-235-C, O-290-D, 0-320	RAP215CC	211CC	RA-B3-5-1, RA1J7-1	RA2H3-23	
SN. 189001 and up	LYC O-235-C, O-290-D, 0-320	RAP215CC	211CC	RA-B3-5-1, RA1J7-1	RA2H3-23	
PA-20-115, PA-20S-115	LYC O-235-C	RAP215CC	211CC			
PA-20, -20S, -20-135, -20S-135,	LYC O-290-D, -D2	RAP215CC	211CC			
PA-22	LYC O-290-D, -D2	RAP215CC	211CC			
PA-22-108 Tri Pacer	LYC O-235-C	RAP215CC	211CC			
SN. 22-8000 thru 22-8709						
SN. 22-8710 and up	LYC O-235-C	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
PA-22-135, PA-22S-135	LYC O-290-D	RAP215CC	211CC			
PA-22-150, PA-22S-150	LYC O-320-A, -B	RAP215CC	211CC			
PA-22-160, PA-22S-160	LYC O-320-A, -B	RAP215CC	211CC			
PA-23-160 Apache	LYC O-320-A, -B, -C	RAP215CC	211CC	RA-B3-5-1		
SN. 23-2395 and up	LYC O-320-A, -B, -C			RA-B3-5-1	RA2H3-2	
PA-23-235 Aztec	LYC O-540-A	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1		
PA-23-235 Deice	LYC O-540-A	RAP441CC-7	441CC-7			
PA-23-250 Non Deice, Pilot Instruments	LYC O-540-A	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1		
SN. 27-2000 thru 27-2504						
SN. 27-2505 thru 27-7654001	LYC O-540-A	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1		
PA-23-250 Non Deice, Dual Instruments	LYC O-540-A	RAP441CC-7	441CC-7	RA-B3-5-1, RA-D9-18-1		
SN. 27-7654001 and up						
PA-23-250 Deice - BFG System						
SN. 27-4510 thru 27-7304963	LYC O-540-A	RAP441CC-7	441CC-7	RA-B3-5-1, RA-D9-18-1		
SN. 27-7304964 thru 27-7654001	LYC O-540-A	RAP441CC-7	441CC-7	RA-B3-5-1, RA-D9-18-1		
PA-23-250 Deice - Airborne System	LYC O-540-A	RAP441CC-7	441CC-7			
SN. 27-7554112 - 27-7554168						
PA-24-180 Comanche	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1		
SN. 24-2176, 24-2177, 24-2179 - 24-2184	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1		
S. 24-2186 - 24-2202, 24-2204 - 24-2218	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1		
SN. 24-2222, 24-2999 thru 24-2587	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1		
SN. 24-2563, 24-2588 and up	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1		

For reference only. For installation eligibility refer to the FAA-PMA Supplement.

Aircraft Manufacturer Model / Serial Number / Option	Engine Manufacturer & Model	Dry Air Pump		Filters	Regulator	Check Valve
		New	Overhaul			
PA-24-250 Comanche	LYC O-540-A, IO-540-C	RAP215CC	211CC	RA-D9-18-1		
SN. 24-2563, 24-2588 and up	LYC IO-540-D, -N, -R	RAP215CC	211CC	RA-D9-18-1	RA2H3-12	
PA-24-260 Comanche	LYC O-540-D, -E -N, -R	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
PA-24-400 Comanche	LYC IO-720	RAP215CC	211CC		RA2H3-12	
PA-25 Pawnee	LYC O-320, -A	RAP215CC	211CC			
PA-25-235, -260	LYC O-540-B, -G	RAP215CC	211CC			
PA-28-140 Cherokee	LYC O-320-E	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
SN. 28-20002 thru 28-7425454						
SN. 28-7585001 and up	LYC O-320-E	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
PA-28-150	LYC O-320-A, -E	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
PA-28-151 Warrior	LYC O-320-E	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
SN. 28-7415001 thru 28-7415713						
SN. 28-7415001 thru 28-7715314	LYC O-320-E	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
PA-28-160 Cherokee	LYC O-320-D	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
PA-28-161 Warrior	LYC O-320-D	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
PA-28-161 with Aux. Pump System	LYC O-320-D	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
PA-28-180, PA-28S-180	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
SN. 28-7105001 thru 28-7406290						
SN. 28-7405001 thru 28-7505261	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
SN. 28-7405001 thru 28-760001 and up	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
PA-28-181 Archer II 28-760001 and up	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
PA-28-181 Archer III 28-90206 and up	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
PA-28-201T Turbo Dakota	TCM TSIO-360-F	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
SN. 28-7921001 thru 28-7921091						
PA-28R-180 Arrow	LYC IO-360-B	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
SN. 28R-30005 thru 28-R7130019						
SN. 28R-75350001 and up	LYC IO-360-B	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
PA-28R-200 Arrow	LYC IO-360-C	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
SN. 28R-30482, 28R-35001 - 28R-35830						
SN. 28R-7135001 thru 28R-7475331	LYC IO-360-C	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
SN. 28R-7535001 and up	LYC IO-360-C	RAP215CC	211CC	RA-B3-5-1	RA2H3-19	
PA-28R-201 Arrow	LYC IO-360-C	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
SN. 28R-7737002 - 28R-7837317						
SN. 28R-7837318 and up	LYC IO-360-C	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
SN. 2803001 and up Aux. Pump		RAP215CC	211CC			
PA-28R-201T Turbo Arrow	TCM TSIO-360-F	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
SN. 28R-7703001 thru 28R-7803373						
SN. 28R-7803374 and up	TCM TSIO-360-F	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
SN. 2803001 and up Aux. Pump		RAP215CC	211CC			
PA-28RT-201 Arrow IV	LYC IO-360-C	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
SN. 28RT-7918001 thru 28R-8218026						
PA-28RT-201	LYC IO-360-C	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
SN. 28RT-8218027 thru 28R-8218039						
PA-28RT-201T 28R-7931001 and Up	TCM TSIO-360-F	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
PA-28-235 Cherokee 235, Pathfinder	LYC O-540-B	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
SN. 28-10003 thru 28-11039						
PA-28-236 Dakota	LYC O-540-J	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
PA-28-236 with Aux. Pump System		RAP215CC	211CC	RA-B3-5-1	RA2H3-19	
SN. 28-7911001 and up						
PA-30 Twin Comanche SN. 30-2 Up	LYC IO-320-B	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1		
C/R Option Right Engine, Also see PA-39	LYC LIO-320-B		212CW	RA-B3-5-1		
PA-31P Navajo	LYC TIOG-541-E			RA2J4-6		
PA-31 Navajo 310 HP Turbo	LYC TIO-540-A	RAP215CC	211CC	RA-B3-5-1, RA2J4-6		
Non Deice, Pilot Instruments						
PA-31 Non Deice, Dual instruments	LYC TIO-540-A	RAP441CC-7	441CC-7	RA-B3-5-1, RA2J4-6		
PA-31 Deice	LYC TIO-540-A	RAP441CC-7	441CC-7	RA-B3-5-1, RA2J4-6		
C/R Option Right Engine & Wing Locker	LYC LTIO-540-A	RAP442CW-6, Right	442CW-6	RA-B3-5-1, RA2J4-6		
PA-31-300 Navajo Non Turbo	LYC IO-540-M	RAP215CC	211CC	RA-B3-5-1, RA2J4-6		
Non Deice, Pilot Instruments						
PA-31-300 Non Deice, Dual Instruments	LYC IO-540-M	RAP441CC-7	441CC-7	RA-B3-5-1, RA2J4-6		
SN. 31-5 thru 31-854						
SN. 31-855 thru 31-7612018	LYC IO-540-M	RAP441CC-7	441CC-7	RA2J4-6		
PA-31-300 Deice	LYC IO-540-M	RAP441CC-7	441CC-7	RA-B3-5-1, RA2J4-6		
PA-31-325 Navajo C/R	LYC TIO-540-F	RAP215CC, Left	211CC	RA-B3-5-1, RA2J4-6		
Non Deice, Pilot Instruments	LYC LTIO-540-F	Right	212CW	RA-B3-5-1, RA2J4-6		
PA-31-325 Non Deice, Dual Instruments	LYC TIO-540-F	RAP441CC-7, Left	441CC-7	RA-B3-5-1, RA2J4-6		
	LYC LTIO-540-F	RAP442CW-6, Right	442CW-6	RA-B3-5-1, RA2J4-6		
PA-31-325 Deice	LYC TIO-540-F	RAP441CC-7, Left	441CC-7	RA-B3-5-1, RA2J4-6		
	LYC LTIO-540-F	RAP442CW-6, Right	442CW-6	RA-B3-5-1, RA2J4-6		
PA-31-350 (Chieftain)	LYC TIO-540-J	RAP215CC, Left	211CC	RA2J4-6		
Non Deice, Pilot Instruments	LYC LTIO-540-J	Right	212CW	RA2J4-6		
SN. 31-5001 thru 31-7652123						
SN. 31-7652124 and up	LYC TIO-540-J	RAP215CC, Left	211CC	RA-B3-5-1, RA2J4-6		
	LYC LTIO-540-J	Right	212CW	RA-B3-5-1, RA2J4-6		

For reference only. For installation eligibility refer to the FAA-PMA Supplement.

Aircraft Manufacturer Model / Serial Number / Option	Engine Manufacturer & Model	Dry Air Pump		Filters	Regulator	Check Valve
		New	Overhaul			
Non Deice, Dual Instruments	LYC TIO-540-J	RAP441CC-7, Left	441CC-7	RA2J4-6		
SN. 31-5001 thru 31-7652123	LYC LTIO-540-J	RAP442CW-6, Right	442CW-6	RA2J4-6		
SN. 31-7652124 and up	LYC TIO-540-J	RAP441CC-7, Left	441CC-7	RA-B3-5-1, RA2J4-6		
	LYC LTIO-540-J	RAP442CW-6, Right	442CW-6	RA-B3-5-1, RA2J4-6		
PA-31-350 Deice	LYC TIO-540-J	RAP441CC-7, Left	441CC-7	RA2J4-6		
SN. 31-5001 thru 31-7652123	LYC LTIO-540-J	RAP442CW-6, Right	442CW-6	RA2J4-6		
SN. 31-7652124 thru 31-7952250 with Kit 764016 or 764017	LYC TIO-540-J	RAP441CC-7, Left	441CC-7	RA-B3-5-1, RA2J4-6		
	LYC LTIO-540-J	RAP442CW-6, Right	442CW-6	RA-B3-5-1, RA2J4-6		
PA-31P-350 Mojave SN. 31P-8414001Up	LYC TIO-540-V	RAP215CC, Left	211CC	RA2J4-6		
Non Deice	LYC LTIO-540-V	Right	212CW	RA2J4-6		
PA-31P-350 Deice	LYC TIO-540-V	RAP441CC-7, Left	441CC-7	RA2J4-6		
	LYC LTIO-540-V	Right	442CW-6	RA2J4-6		
PA-31T2 SN. 31T-8166001 and up	PW PT6A-135			RA2J4-7		
PA-32-260 Cherokee Six	LYC O-540-E	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
SN. 32-1 - 32-450						
SN. 32-451 - 32-7400061	LYC O-540-E	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
SN. 32-7500001 - 32-7800008	LYC O-540-E	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
PA-32-300 Cherokee Six	LYC IO-540-K	RAP215CC	211CC	RA-B3-5-1	RA2H3-12	
SN. 23-40000 - 32-40292						
SN. 32-40293 - 32-744182	LYC IO-540-K	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
SN. 32-7540001 - 32-7940282	LYC IO-540-K	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
PA-32R-300, -32RT-300, -32S-300	LYC IO-540-K	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
PA-32RT-300T	LYC TIO-540-S	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1		
PA-32-301 Saratoga SN.32-80006001 up	LYC IO-540-K	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
PA-32-301T SN. 32-8024001 and up	LYC TIO-540-S	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
PA-32R-301	LYC IO-540-K	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
PA-32R-301T Non Deice	LYC TIO-540-S	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-19	
PA-32R-301T Deice	LYC TIO-540-S	RAP442CW-6	442CW-6	RA-B3-5-1	RA2H3-19	
PA-34-200 Seneca Non Deice	LYC IO-360-C	RAP215CC, Left	211CC	RA-B3-5-1, RA-D9-18-1		
	LYC LIO-360-C	RAP216CW, Right	212CW			
PA-34-200 Deice	LYC IO-360-C	RAP441CC-7, Left	441CC-7	RA-B3-5-1, RA-D9-18-1		
	LYC LIO-360-C	RAP442CW-6, Right	442CW-6			
PA-34-200T Seneca II Non Deice	TCM TSIO-360-E	RAP215CC, Left	211CC	RA-B3-5-1, RA2J4-6		
SN. 34-7570001 thru 34-7870492	TCM LTSIO-360-E	Right	212CW			
SN. 34-7970001 thru 34-8170092	TCM TSIO-360-E	RAP215CC, Left	211CC	RA2J4-6, RA-D-9-14-5		
	TCM LTSIO-360-E	Right	212CW			
PA-34-200T Deice SN. 34-7570001 thru 34-8070037	TCM TSIO-360-E	RAP441CC-7, Left	441CC-7	RA-B3-5-1, RA2J4-6		
	TCM LTSIO-360-E	RAP442CW-6, Right	442CW-6			
SN. 34-8070038 thru 34-8170092	TCM TSIO-360-E	RAP441CC-7, Left	441CC-7	RA2J4-6, RA-D-9-14-5		
	TCM LTSIO-360-E	RAP442CW-6, Right	442CW-6			
PA-34-200T Deice, Dual Instruments	TCM TSIO-360-E	RAP441CC-7, Left	441CC-7	RA-B3-5-1, RA2J4-6		
SN. 34-7570001 thru 34-7870492	TCM LTSIO-360-E	RAP442CW-6, Right	442CW-6			
SN. 34-7970001 thru 34-8170092	TCM TSIO-360-E	RAP441CC-7, Left	441CC-7	RA2J4-6, RA-D-9-14-5		
	TCM LTSIO-360-E	RAP442CW-6, Right	442CW-6			
PA-34-220T Seneca Non Deice	TCM TSIO-360-K	RAP215CC, Left	211CC	RA-B3-5-1, RA-D9-18-1		
	TCM LTSIO-360-K	Right	212CW			
PA-34-220T Deice	TCM TSIO-360-K	RAP441CC-7, Left	441CC-7	RA-B3-5-1, RA-D9-18-1		
	TCM LTSIO-360-K	RAP442CW-6, Right	442CW-6			
PA-36-300 Brave	LYC IO-540-K	RAP215CC	211CC			
PA-38-112 Tomahawk	LYC O-235-L2C	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-23	
PA-39 Twin Comanche C/R . Also see PA-30	LYC IO-320-B	RAP215CC, Left	211CC	RA-B3-5-1, RA-D9-18-1		
	LYC LIO-320-B	Right	212CW			
PA-40 Arapaho Non Deice	LYC IO-320-B	RAP215CC, Left	211CC			
	LYC LIO-320-B	Right	212CW			
PA-42-720 Cheyenne III	PW PT6A-41			RA-D9-18-1		
PA-42-1000 Cheyenne IV	GAR TPE-331			RA-D9-18-1		
PA-44-180 Seminole	LYC O-360-A, -E	RAP215CC, Left	211CC	RA-D9-18-1		
	LYC LO-360-E	Right	212CW			
PA-44-180T Turbo Seminole Non Deice	LYC TO-360-E	Left	211CC	RA-D9-18-1		
	LYC LTO-360-E	Right	212CW			
PA-44-180T Deice	LYC TO-360-E	RAP441CC-7, Left	441CC-7	RA-D9-18-1		
	LYC LTO-360-E	RAP442CW-6, Right	442CW-6			
PA-46-310P Malibu						
Non Deice, Single Pump System	TCM TSIO-520-B	RAP216CW	212CW	RA-B3-5-1, RA-D9-18-1		
Non Deice with Standby System	TCM TSIO-520-B	RAP442CW-6, Left	442CW-6	RA-B3-5-1, RA-D9-18-1	RA2H3-6	
PA-46-310P Deice	TCM TSIO-520-B	RAP442CW-6, Left	442CW-6	RA-B3-5-1, RA-D9-18-1		
PA-46-350 Non Deice, Single Pump	LYC TIO-540-AE	RAP216CW	212CW	RA-B3-5-1, RA-D9-18-1		
PA-46-350P Malibu Mirage Dual Pump	LYC TIO-540-AE	RAP441CC-17, Upper	441CC-17	RA-B3-5-1, RA-D9-18-1	RA2H3-6	
		RAP442CW-6, Lower	442CW-6			
PA-60 Series - see Aerostar						
Raytheon - see Beechcraft						

For reference only. For installation eligibility refer to the FAA-PMA Supplement.

Aircraft Manufacturer Model / Serial Number / Option	Engine Manufacturer & Model	Dry Air Pump		Filters	Regulator	Check Valve
		New	Overhaul			
Rockwell / Gulfstream / Commander						
112 Commander	LYC O-360-C	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
112A	LYC IO-360-C	RAP215CC	211CC			
112B Alpine	LYC IO-360-C	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
112TC	LYC TO-360-C	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
112TCA	LYC TO-360-C	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
114, 114A Gran Turismo	LYC IO-540-T	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
500 thru 700 Series - see Aero Commander						
Socata / Aerospatiale						
MS88B	TCM O-200-A	RAP215CC-9	211CC-9			
MS892A-150 & E-150	LYC O-320-E	RAP215CC	211CC			
MS893A, E	LYC O-360-A	RAP215CC	211CC			
MS894A, E	Franklin 6A-350-C	RAP216CW	212CW			
I00S	TCM O-200-A	RAP215CC-9	211CC-9			
150T, ST	LYC O-320-E	RAP215CC	211CC			
235E	LYC O-540-B	RAP215CC	211CC			
TB9 SN. 001 - 822, 850 - 947 except 888	LYC O-320-D	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
TB10 Tobago	LYC O-360-A	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
Aux. Backup Sys. SN. 984 and up						
TB20 Trinidad	LYC O-540-C	RAP215CC	211CC	RA-B3-5-1, RA-D9-18-1	RA2H3-12	
Aux. Backup Sys. SN. 984 and up						
TB21 Trinidad Turbo	LYC TIO-540-A			RA-B3-5-1, RA-D9-18-1	RA2H3-12	
Siai - Marchetti						
S.205-18/F, /R	LYC O-360-A	RAP215CC	211CC			
S.205-20/F, /R	LYC O-360-A	RAP215CC	211CC			
S.205-22/R	Franklin 6A-350-C	RAP216CW	212CW			
S.208/-A, F.260/-B/-C	LYC O-540-E	RAP215CC	211CC			
S.210	LYC TIO-360-A	RAP215CC	211CC			
Ted Smith Aerostar - see Areostar						
Textron Aviation Inc. - see Beechcraft						
Twin Comander - see Aero Comander						
Viking Air Limited (Twin Otter) / de Havilland						
DHC-6-1, -100, -200, -300, -400				RA2J4-4		
Vulcanair / Partenavia						
P68, P68B, P68C Observer	LYC IO-360-A	RAP215CC	211CC	RA1J7-1	RA2H3-12	RA1H5-1
P68, P68B, P68C Deice	LYC IO-360-A	RAP441CC-23	441CC-23		RA2H3-12	
P68C-TC	LYC IO-360-C	RAP215CC	211CC	RA1J7-1	RA2H3-12	RA1H5-1
P68C-TC Deice	LYC IO-360-C	RAP441CC-23	441CC-23		RA2H3-12	
AP68TP300, AP68TP600 Spartacus	RR 250 B17C			RA1J7-1	RA2H3-12	RA1H5-1

Sections 2 thru 4 on following page.

Section 2:

Kit Plane Vacuum System Kit By RAPCO - Replacement Parts

Kit Number and Description	Dry Air Pump		Filters	Regulator
	New	Overhaul		
RAVAC-K1 For counter clockwise turning accessory drives. (see below)	RAP215CC	211CC	RA-B3-5-1 & RA-D9-18-1	RA2H3-12
RAVAC-K2 For clockwise turning accessory drives. (see below)	RAP216CW	212CW	RA-B3-5-1 & RA-D9-18-1	RA2H3-12

Section 3:

Dry Air Pump Application Guide for Kit Plane and Experimental Aircraft Engines

Engine Manufacturer	Engine Model	Dry Air Pump	
		New	Overhaul
Continental	C90-16F	RAP215CC-9	211CC-9
	O-200-A thru -C	RAP215CC-9	211CC-9
	IO-240	RAP216CW	212CW
	IO-360	RAP215CC	211CC
	IO-520	RAP216CW	212CW
	IO-550	RAP216CW	212CW
Jabiru	2200	RAP216CW	212CW
	2300	RAP216CW	212CW
Lycoming	O-235	RAP215CC	211CC
	O-290	RAP215CC	211CC
	O-320	RAP215CC	211CC
	O-360	RAP215CC	211CC
	IO-360	RAP215CC	211CC
	O-540	RAP215CC	211CC
Pratt & Whitney	R-985	RAP216CW	212CW
	R-1340	RAP216CW	212CW
Rotax	912	RAP215CC	211CC
	914	RAP215CC	211CC

Section 4:

Beechcraft King Air Rudder Boost Filter Replacement

RAPCO PN. 101-524009-0163 - Rudder Boost Filter

FAA-PMA approved replacement for the following part numbers.

101-524009-91

101-524009-0161

101-524009-0163

Application			
C90A, C90GT, C90GTi,			
A100-1 (U-21J),			
200, 200C, 200CT, 200T,			
A200 (C-12A), (C-12C),			
A200C (UC-12B),			
A200CT (C-12D), (FWC-12D), (C-12F), (RC-12D), (RC-12G), (RC-12H), (RC-12K), (RC-12P), (RC-12Q),			
B200,			
B200C (C-12F), (UC-12M), (C-12R), (UC-12F),			
B200CT			
B200T			
B200GT,			
B200CGT			

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