

RAPCO INC. DE-ICE APPLICATION GUIDE

FAA-PMA/EASA Approved De-icer, Wire Harness, and Brush Replacement Parts for BFG and McCauley Propeller De-Ice Systems

This Application Guide is to be used for reference only. All RAPCO part numbers begin with RA. OEM part numbers are shown for reference.

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

To convert a BFG part number to a RAPCO part number replace the 2E, 3E or 4E with RA and add 100 to the number.

To convert a McCauley part number to a RAPCO simply add RA to the beginning of the part number.

Refer to the FAA-PMA Supplement for installation eligibility.

Aircraft Manufacturer and Model Notes	Propeller Model	De-icer / Prop Boot	Wire Harness & Hub Extender	Solid Block Assembly	Modular Brush Assembly	Brush Module (Quantity)	Brush (Quantity)
Aero Commander / Rockwell / Gulfstream / Twin Commander							
500 Aero Commander. w/ Colemill Conv.	HC-A3VF	RA38572		4E1387-3			RA1543-1 (2) & RA1543-2 (1)
	HC-A2XF-2				RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
500A	HC-A2XF-2			4E1350, -1			RA1306-1 (3)
				4E1350-4			RA1543-2 (3)
500A, w/ Colemill Conv. IO-520-E	HC-A3XF-2B			4E1387-3			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
500B, S, U, w/ 90 Amp Gen. w/ 70 Amp Gen. 500S SN. 3116 & up w/ 70 Amp or 100 Amp Alt.	HC-A3XK-2 / VK2 HC-A3VK-2 / VK2 HC-C3YR-2	4E2200-10	RA2067-2 RA2193-1	4E1350, -1			RA1306-1 (3)
				4E1350-4			RA1543-2 (3)
500B, U, w/ 50 or 90 Amp Gen.	HC-A3XK/VK2 HC-A3VK-2	4E2200-10	RA2193-1	4E1350, -1			RA1306-1 (3)
				4E1350-4			RA1543-2 (3)
560A, E 680, E 720	H83X20			4E1311, -1			RA1306-1 (2) & RA1306-2 (1)
				4E1311-2			RA1543-1 (2) & RA1543-2 (1)
560F 680F, FL, FP, FLP	HC-B3Z30-2B HC-A3MVK-2A	4E2200-10	RA2192-2	4E1387-1			RA1306-1 (2) & RA1306-2 (1)
				4E1387-5			RA1543-1 (2) & RA1543-2 (1)
680T, V, W, 681,	33LF-325	RA1288-10	4E2333-1	4E1387-1			RA1306-1 (2) & RA1306-2 (1)
				4E1387-5			RA1543-1 (2) & RA1543-2 (1)
685	HC-F3YN-2 HC-H3YN-2		RA2067-1	4E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1 RA2144-1	RA2111U-ROD (3) RA2111U-ROD (3)	RA1543-7 (3) RA1543-7 (3)
690	HC-B3TN-5CL	4E1601-5	RA1989-2	4E1387-3, -5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
690, A, B	HC-B3TN-5FL		RA1989-2	4E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
690C, D 695, A	Dowty Rotol 324	4E2598-10	RA2469-1		RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
		4E1601-10					
700	HC-E3YR-2AF		RA2067-1	4E1639			RA1543-1 (2) & RA1543-2 (1)
720	HC-E4N-3P			4E1311, -1			RA1306-1 (2) & RA1306-2 (1)
				4E1311-2			RA1543-1 (2) & RA1543-2 (1)
					RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
Aerostar / Ted Smith Aerostar / Piper Aerostar							
600 601, 601P, 602P	HC-C3YR-2	4E2200-4	On Boot	4E1350-2			RA1306-1 (3)
				4E1350-5			RA1543-2 (3)
PA-60-700P	Hartzell 3 Bl.		RA2150-2		RA2146-1	RA2111U-ROD (3)	RA1543-7 (3)
					RA2171	RA2111U-ROD (2)	RA1543-7 (2)

Aircraft Manufacturer and Model Notes	Propeller Model	De-Icer / Prop Boot	Wire Harness & Hub Extender	Solid Block Assembly	Modular Brush Assembly	Brush Module (Quantity)	Brush (Quantity)
Beech / Beechcraft / Raytheon / Hawker Beechcraft / Textron							
Beech 18	HC-B3			4E1311, -1			RA1306-1 (2) & RA1306-2 (1)
				4E1311-2			RA1543-1 (2) & RA1543-2 (1)
					RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
Beech 18, w/ Volpar Conv.		4E2200-10	RA1889-2 RA2192-2	4E1387-1			RA1306-1 (2) & RA1306-2 (1)
				4E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
33, 35, 36, Bonanza w/ 14 Volt.	2A36C23/C82 3A32C76	4E2292-3	On Boot	4E1387-3, -5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
F33A, F33C, Bonanza S35, V35A, Bonanza 36, A36, w/ 14 or 28 Volt	HC-F3YR-1RF	4E2292-2 4E2200-3			RA2171	RA2111U-ROD (2)	RA1543-7 (2)
F33A, 35-C33A A35B, S-35, V-35, A36TC, A36, B36TC, w/ 28 Volt.	PHC-C3YF-1RF	4E2200-2			RA2162-2	RA2111U-ROD (2)	RA1543-7 (2)
F33A, w/ McCauley	3A32C406/82NDB-X, D3A32C409/82NDB-X			C-40257			RAC40256-1 (1) & RAC40256-2 (1)
S-35, V-35 Bonanza	PHC-A3VF-4			4E1387-3, -5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
V35, w/ 14 Volt.	2A36C82/C23 2A37C223	4E2200-2 4E2200-8			RA2162-2	RA2111U-ROD (2)	RA1543-7 (2)
V35B, w/ McCauley	3A32C406/82NDB-X, D3A32C409/82NDB-X			C-40257			RAC40256-1 (1) & RAC40256-2 (1)
A36, w/ Colemill Conv.	HC-C4YF-1E	4E2200-2			RA2162-2	RA2111U-ROD (2)	RA1543-7 (2)
A36, A36TC w/ Allison Turbine	HC-B3TF-7A	4E3048-10	3E2507-1		RA2162-2	RA2111U-ROD (2)	RA1543-7 (2)
A36, B36TC, w/ Hartzell Conv.	PHC-3CYF-1RF	4E2200-2			RA2162-2	RA2111U-ROD (2)	RA1543-7 (2)
A36, B36TC, w/ McCauley	3A32C406/82NDB-X, D3A32C409/82NDB-X			C-40257			RAC40256-1 (1) & RAC40256-2 (1)
E50, F50, G50, H50, Twin Bonanza 65, Queen Air	HC-B3T/B3Z	4E1270 4E2200-3	On Boot	4E-1311-2			RA1543-1 (2) & RA1543-2 (1)
					RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
E50, F50, J50, Twin Bonanza 65-80, 65-88, Queen Air	HC-B3T/B3Z	4E2200-3	On Boot	4E1311			RA1306-1 (2) & RA1306-2 (1)
				4E-1311-2			RA1543-1 (2) & RA1543-2 (1)
					RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
95-55 Series - see 95-55							
B55, E55, Baron	BHC-C2YF-2C	4E2271-10	RA2194-2	4E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
B55, E55	PHC-C3YR-2	4E2271-10	RA2194-1	4E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
B55, E55	CHC-C2YF-2C	4E2271-10	RA2194-1	4E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
B55, E55	PHC-C3YF-2	4E2271-10	RA2067-4	4E1387-5			RA1543-1 (2) & RA1543-2 (1)
			RA2194-1		RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
B55, E55, No A/C	BHC-C2YF-2C PHC-C3YF	4E2271-10	RA2150-2		RA2162-2	RA2111U (2)	RA1543-7 (2)
C55	2AF36C39 2AF34/C55				RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
					RA2142-2	RA2111U-ROD (3)	RA1543-7 (3)
C55, C55A, D55, D55A, E55, E55A, w/ McCauley	3AF32C504/82NEA-X			C-40463			RAC40464-1 (1) & RAC40464-2 (1)
C55, C55A, D55, D55A, E55, E55A, w/ McCauley	3AF32C504/82NEA-X			C-40593			RAC40256-1 (1) & RAC40256-2 (1)
E55, E55A, Baron, w/ McCauley	3AF32C512/82NEA-X			C-40257			RAC40256-1 (1) & RAC40256-2 (1)
E55, 58 Baron	PHC-J3YF-2 BCH-J2YF-2	4E2271-10	RA2150-2		RA2171	RA2111U (2)	RA1543-7 (2)
56TC, Baron,	HC-F3YR-2	4E2271-10	RA2194-1 RA2067-4	4E1639			RA1543-1 (2) & RA1543-2 (1)
56TC, Baron,	HC-F2YR-2		RA1656 Hub Ext.	4E1639			RA1543-1 (2) & RA1543-2 (1)

Aircraft Manufacturer and Model Notes	Propeller Model	De-Icer / Prop Boot	Wire Harness & Hub Extender	Solid Block Assembly	Modular Brush Assembly	Brush Module (Quantity)	Brush (Quantity)
58, Baron	HC-J2YF-2C			4E1350-3			RA1306-2 (3)
					RA2146-1	RA2111U-ROD (3)	RA1543-7 (3)
58	PHC-3YF-2			4E1350-5			RA1543-2 (3)
					RA2146-1	RA2111U-ROD (3)	RA1543-7 (3)
58 Series	BCH-J2YF-2C		4E1967-5	4E1350-5			RA1543-2 (3)
	HC-J3YF-2UF	4E1601-10	RA2067-3				
		4E2271-10	RA2150-2		RA2146-3	RA2111U-ROD (3)	RA1543-7 (3)
58	PHC-J3YF-2	4E2271-10	RA2150		RA2171	RA2111U (2)	RA1543-7 (2)
58	D3AF32C35			4E1350-5			RA1543-2 (3)
					RA2146-3	RA2111U-ROD (3)	RA1543-7 (3)
58, 58A, 58P, 58PA, 58TC, 58TCA, w/ McCauley	3AF32C511/82NEA-X, 3AF32C512/82NEA-X			C-40257			RAC40256-1 (1) & RAC40256-2 (1)
58P, 58PA, 58TC, 58TCA, w/ McCauley, STC	3AF32C521/82NLA-X			C-40179			RAB40189
60, Duke Series	HC-F3YR-2			4E1639			RA1543-1 (2) & RA1543-2 (1)
		4E2271-10	RA2194-1 RA2067-4				
60, Duke	HC-F2YR-2		RA1656 Hub Ext.	4E1639			RA1543-1 (2) & RA1543-2 (1)
65, Queen Air w/ IO-720 Conv.	HC-A3VK-2A			4E1350-5			RA1543-2 (3)
65-80, 65-A88-8800, 65-B80, Queen Air 65-88, A65, 70, Queen Air					RA2146-1	RA2111U (3)	RA1543-7 (3)
65-90 King Air	HC-B3TN-2			4E1387, -1			RA1306-1 (2) & RA1306-2 (1)
				4E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
65-90, 99, Airliner 100, King Air	HC-B3TN-3			4E1311, -1			RA1306-1 (2) & RA1306-2 (1)
				4E1311-2			RA1543-1 (2) & RA1543-2 (1)
		4E2200-10	RA2192-2		RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
65-90, 99, Airliner 100, 200, King Air	HC-B3TN-3		RA1989-2	4E-1311-2			RA1543-1 (2) & RA1543-2 (1)
					RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
90, King Air 99, Airliner 200	HC-B3TN-3	4E2271-10	RA2192-4		RA2190-1	RA2111U (2)	RA1543-7 (2)
A90, A90-1, A90-4, B90, C90, (LJ-502 thru LJ-583), King Air, w/ McCauley	4HFR34C763/94LMA-X		RA40330	C-40257			RAC40256-1 (1) & RAC40256-2 (1)
C90 (LJ-584 and up), C90A, E90, w/ McCauley	4HFR34C762/94LMA-X	B-40245-52	RA40330	C-40257			RAC40256-1 (1) & RAC40256-2 (1)
C90A, w/ McCauley	4HFR34C768/94LMA-X	B-40245-56	RA40585	C-40257			RAC40256-1 (1) & RAC40256-2 (1)
C90A	HC-E4N-3N	4E2200-10	RA2192-2		RA2190-1	RA2111U-ROD (2)	RA1543-7 (2)
F90,	HC-B4TN-3	4E2200-10	RA2192-2, -3		RA2190-1	RA2111U-ROD (2)	RA1543-7 (2)
95-55, Baron 95-A55, 95-B55	3AF32C75			4E1387, -1			RA1306-1 (2) & RA1306-2 (1)
				4E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-2	RA2111U-ROD (3)	RA1543-7 (3)
95-55, -A55, -B55, -B55A, -B55B, w/ McCauley	3AF32C504/82NEA-X			C-40463			RAC40464-1 (1) & RAC40464-2 (1)
99, 99A, A99, A99A, B99, C99	4HFR34C769/94LMA-X 4HFR34C773/94LMA-X	B-40245-56	RA40585	C-40179			RAB40189
A100	HC-B4TN-3		RA1989-3		RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
100, A100, King Air, w/ McCauley	4HFR34C762/94LMA-X	B-40245-52	RA40330	C-40257			RAC40256-1 (1) & RAC40256-2 (1)
A100-1 w/ McCauley	4HFR34C754/94LA-X	B-40245-52	RA40330	C-40257			RAC40256-1 (1) & RAC40256-2 (1)
B100, King Air	HC-B4TN-5C/F		RA1989-2	4E1387-5			RA1543-1 (2) & RA1543-2 (1)
		4E2200-10	RA2192-6		RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
					RA2162-2	RA2111U-ROD (2)	RA1543-7 (2)
B100 w/ McCauley (Phenolic Block)	5HFR34C1105/96LRB-X	B-40245-52	RA40585	C-40685			RAC40464-1 (1) & RAC40464-2 (1)
200, King Air	HC-E4N-3G	4E2271-10	RA2192-4		RA2190-1	RA2111U-ROD (2)	RA1543-7 (2)
200, 200C, 200T, 200CT, A200C, A200CT, B200, B200C, B200T, B200CT, C-12D, C-12F, FWC-12D, RC-12D, UC-12B Super King Air w/ McCauley (Phenolic Block)	5HFR34C1008/96LTA-0	B-40245-56	RA40585	C-40685			RAC40464-1 (1) & RAC40464-2 (1)

Aircraft Manufacturer and Model Notes	Propeller Model	De-Icer / Prop Boot	Wire Harness & Hub Extender	Solid Block Assembly	Modular Brush Assembly	Brush Module (Quantity)	Brush (Quantity)
200, 200C, 200T, 200CT, A200C, A200CT, B200, B200C, B200CT, B200T, C-12D, C-12F, FWC-12D, RC-12D, UC-12B, U-21J, w/ McCauley	4HFR34C754/94LA-X	B-40245-52	RA40330	C-40257			RAC40256-1 (1) & RAC40256-2 (1)
A200CT (RC-12K, RC-12L, RC-12N, RC-12P, RC-12Q) w/McCauley (Phenolic Block)	4JFR34C758/106LNA-X			C-40463			RAC40464-1 (1) & RAC40464-2 (1)
B200, B200C (C-12F, UC-12M), B200CT, B200T, w/ McCauley	3GFR34C702/100LA-X	B-40245-56	RA40330	C-40257			RAC40256-1 (1) & RAC40256-2 (1)
B200, B200C (C-12F, C-12R), B200CT, B200T, w/ McCauley	4HFR34C771/94LA-X	B-40245-56	RA40585	C-40257			RAC40256-1 (1) & RAC40256-2 (1)
B200C (C-12F), w/ McCauley	4HFR34C754/94LA-X		RA40330	C-40363			RAC40371-1 (1) & RAC40371-2 (1)
300 T-6 Texan II (Heavy Duty Brush Block)	HC-E4A-2A	RA2271-14	3E2360-5	4E3196-1			RA2620-1 (6)
300, 350, Super King Air	HC-B4MP-3	4E2575-7 4E2575-10	RA2117-8 RA2192-2		RA2190-1	RA2111U-ROD (2)	RA1543-7 (2)
1900 Airliner (Heavy Duty Brush Block)	HC-B4MP-3	4E2560-10	RA2192-2	4E3197-1	RA2190-3	RA2111U-ROD (2)	RA1543-7 (2) RA2620-1 (6)
1900D (Heavy Duty Brush Block)	HC-E4MP-3	4E3400-1 4E3017-1	RA2626-1	4E3196-1			RA2620-1 (6)
Bombardier - see de-Havilland							
British Aerospace - see Handley Page							
Britten-Norman / Pilatus Britten-Norman							
BN-2 Islander	HC-C2YK-2B		On Boot	4E1350-2			RA1306-1 (3)
BN-2A Islander		4E2200-4	RA2150	4E1350-5			RA1543-2 (3)
BN-2A Mark III Trilander					RA2146-1	RA2111U-ROD (3)	RA1543-7 (3)
BN-2A Left Prop with Air Conditioning				4E1908-1			RA1543-1 (3)
BN2T	HC-C3YF-2CF	4E2271-4 4E2271-10	RA2150 RA2150	4E1350-2 4E1350-5 4E1908-1			RA1306-1 (3) RA1543-2 (3) RA1543-1 (3)
BN2T	HC-C3YF-5F	4E1301-1	RA2150		RA2146-1 RA2162-2	RA2111U (3) RA2111U (2)	RA1543-7 (3) RA1543-7 (2)
CASA / Construcciones Aeronauticas							
C-212	HC-B3TN-5			4E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
C-212-100	HC-B4TN-5EL	4E1601-5	RA1989-2	4E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
C-212-200	HC-B4MN-5AL	4E2336-10 4E2336-12	RA2192-2 RA2192-2		RA2162-2	RA2111U-ROD (2)	RA1543-7 (2)
Cessna / Textron							
182S, 182T, T182T w/ McCauley	B3D36C442/80VSB-X, B3D36C432/80VSA-X			C-40660			RAC40522-1 (1) & RAC40522-2 (1)
TR182 Skylane	B2D34C214 2				RA2171	RA2111U-ROD (2)	RA1543-7 (2)
T182, TR182, w/ McCauley (Phenolic Block)	B2D32C407/82NDA-3			C-40010			RAB40012 (2)
T182, TR182, w/ McCauley (Thermoplastic Bk)	B2D32C407/82NDA-3			C-40179			RAB40189 (2)
T182T, w/ McCauley (Phenolic Block)	B3D36C442/80VSB-X, B3D36C432/80VSA-X			C-40010			RAB40012 (2)
T182T, w/ McCauley (Thermoplastic Block)	B3D36C442/80VSB-X, B3D36C432/80VSA-X			C-40179			RAB40189 (2)
206H, w/ Soly Conv. T206H TU206G U206G	HC-C3YN-5A	4E2200-10 4E2271-10	RA2150 RA2150		RA2162-1	RA2111U-ROD (2)	RA1543-7 (2)
206H, T206H, w/ McCauley (Phenolic Block)	B3D36C442/80VSB-X, B3D36C432/80VSA-X			C-40010			RAB40012 (2)
206H, T206H, w/ McCauley	B3D36C442/80VSB-X, B3D36C432/80VSA-X			C-40179			RAB40189 (2)
206H, T206H, w/ McCauley	B3D36C442/80VSB-X, B3D36C432/80VSA-X			C-40660			RAC40522-1 (1) & RAC40522-2 (1)
TU206G, w/ McCauley (Phenolic Block)	D3A34C402/90DFA-X			C-40055			RAB40046
TU206G, w/ McCauley (Thermoplastic Block)	D3A34C402/90DFA-X			C-40187			RAB40193
208, 208A, 208B, Caravan	HC-B3MN-3 HC-B3MN-3 HC-B3TN-3AF/3AFY HC-D4N-3R	4E2336-12 4E2560-10 4E2560-10 4E2560-10	RA2192-2		RA2190-1	RA2111U-ROD (2)	RA1543-7 (2)
208, 208A, 208B, Caravan, w/ McCauley	3GFR34C703/106GA-X 4HFR34C775/96MGA-0	B-40245-54 B-40245-54	RA40531 RA40585	C-40257			RAC40256-1 (1) & RAC40256-2 (1)

Aircraft Manufacturer and Model Notes	Propeller Model	De-Icer / Prop Boot	Wire Harness & Hub Extender	Solid Block Assembly	Modular Brush Assembly	Brush Module (Quantity)	Brush (Quantity)
210, w/ 14 Volt.	E2A34C70 D3A32C88			4E1387-4, -6			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
210, w/ 28 Volt	E2A34C70 D3A32C88	4E1188-2 4E1188-2	On Boot On Boot	4E1387-4, -6			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
210N, 210R, P210N, T210N, w/ McCauley (Phenolic Block)	D3A34C404/80VA-X, D3A34C402/90DFA-X			C-40055			RAB40046 (2)
210N, 210R, P210N, T210N, w/ McCauley (Thermoplastic Block)	D3A34C404/80VA-X, D3A34C402/90DFA-X			C-40187			RAB40193 (2)
P210R, T210R	D3A36C410/80VMB-X			C-40187			RAB40193 (2)
T303 w/ McCauley	3AF32C506/82NEA-X 3AF32C507/L82NEA-X			C-40187			RAB40193 (2)
310	PHC-C3YF-2UF PHC-J3YF-2UF	4E1601-10 4E1601-10	RA2067-3 RA2067-3	4E1294			RA1306-3 (3)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
					RA2142-2	RA2111U-ROD (3)	RA1543-7 (3)
310 Series thru H	HC-A2XF-2 HC-A3VF-2 HC-A3MVF-2			4E1294			RA1306-3 (3)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
					RA2142-2	RA2111U-ROD (3)	RA1543-7 (3)
310 Series J-P			RA2192-1	4E1294			RA1306-3 (3)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
					RA2142-2	RA2111U-ROD (3)	RA1543-7 (3)
310C thru H, E310H, 310I, 310J-1	3AF32C528/82NEA-X			C-40179			RAB40189 (2)
310J, K, L, N, E310J	3AF32C512/82NEA-X			C-40187			RAB40193 (2)
310P, 310Q, w/ McCauley (Phenolic Block)	D2AF34C71/84JF-X			C-40055			RAB40046 (2)
310P, 310Q, w/ McCauley (Thermoplastic Bk)	3AF32C87/82NC-X			C-40187			RAB40193 (2)
310P, 310Q, w/ McCauley (Phenolic Block)	3AF32C504/82NEA-X			C-40055			RAB40046 (2)
w/ McCauley (Thermoplastic Block)				C-40187			RAB40193 (2)
310P, 310Q, w/ McCauley (Thermoplastic Bk)	3AF32C528/82NEA-X			C-40187			RAB40193 (2)
310R, w/ McCauley (Phenolic Block)	3AF32C504/82NEA-X			C-40055			RAB40046 (2)
w/ McCauley (Thermoplastic Block)				C-40187			RAB40193 (2)
310R, w/ McCauley (Thermoplastic Block)	3AF32C528/82NEA-X			C-40187			RAB40193 (2)
310R SN. 310R0938 - 310R2109 w/ McCauley			RA-C165013-0604				
T310P, T310Q, w/ McCauley (Phenolic Block)	D2AF34C71/84JF-X			C-40010			RAB40012 (2)
w/ McCauley (Thermoplastic Block)				C-40179			RAB40189 (2)
T310P, T310Q, w/ McCauley, Thermoplastic Bk.	3AF32C87/82NC-X			C-40179			RAB40189 (2)
T310P, Q, R, w/ McCauley (Phenolic Block)	3AF32C504/82NEA-X			C-40010			RAB40012 (2)
w/ McCauley (Thermoplastic Bk)				C-40179			RAB40189 (2)
T310P, Q, R, w/ McCauley (Phenolic Block)	3AF32C504/82NEA-X			C-40010			RAB40012 (2)
w/ McCauley (Thermoplastic Bk)				C-40179			RAB40189 (2)
T310P, T310Q, w/ McCauley, Thermoplastic Bk.	3AF32C528/82NEA-X			C-40187			RAB40193 (2)
320D, 320E, 320F, Skynight, w/ McCauley (Phenolic Block)	3AF32C504/82NEA-X, 3AF32C505/82NEA-X		RA2171-2	C-40010			RAB40012 (2)
320D, 320E, 320F, w/ McCauley (Thermoplastic Block)	3AF32C504/82NEA-X, 3AF32C505/82NEA-X		RA2171-2	C-40179			RAB40189 (2)
335 SN335-0001 and up, w/ McCauley			RA-C165013-0604				
336, 337 Series	D2AF34C59 D2AF34C300, C301			3E1387			RA1306-1 (2) & RA1306-2 (1)
				3E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
340, 340A	PCH-C3YF-2UF PCH-C3YF-2UF	4E1601-10 4E1601-14	RA2067-3 RA2067-3				
340, 340A, w/ McCauley (Phenolic Block)	3AF32C504/82NEA-X, 3AF32C505/82NEA-X		RA2171-2	C-40010			RAB40012 (2)
340, 340A, w/ McCauley (Thermoplastic Block)	3AF32C504/82NEA-X, 3AF32C505/82NEA-X		RA2171-2	C-40179			RAB40189 (2)
340A S/N 340A0314-340A1215, w/ McCauley			RA-C165013-0604				
401, 401A, 401B w/ McCauley (Phenolic Block)	3AF32C504/82NEA-X, 3AF32C505/82NEA-X		RA2171-2	C-40010			RAB40012 (2)
401, 401A, 401B w/ McCauley (Thermoplastic Block)	3AF32C504/82NEA-X, 3AF32C505/82NEA-X		RA2171-2	C-40179			RAB40189 (2)
402 402A, 402B, 402C	3AF32C505		RA2192-3				
402, w/ AJI Conv.	HC-B3TF-7	4E2200-10	RA2192-3	4E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
402, 402A, 402B, 402C, Businessliner, w/ McCauley (Phenolic Block)	3AF32C504/82NEA-X, 3AF32C505/82NEA-X			C-40010			RAB40012 (2)
402, 402A, 402B, 402C, w/ McCauley (Thermoplastic Block)	3AF32C504/82NEA-X, 3AF32C505/82NEA-X			C-40179			RAB40189 (2)
402B S/N 402B1238 & up, w/ McCauley			RA-C165013-0602				
402C S/N 402C0001 - 402C0406, w/ McCauley			RA-C165013-0604				
404, Titan, w/ McCauley (Phenolic Block)	3FF32C501/90UMB-X	RA2252-2		C-40010			RAB40012 (2)
404, w/ McCauley (Thermoplastic Block)	3FF32C501/90UMB-X	RA2252-2		C-40179			RAB40189 (2)

Aircraft Manufacturer and Model Notes	Propeller Model	De-Icer / Prop Boot	Wire Harness & Hub Extender	Solid Block Assembly	Modular Brush Assembly	Brush Module (Quantity)	Brush (Quantity)
414A, Chancellor, w/ RAM Conv.	PCH-C3YF-2UF	4E1601-14	RA2067-3				
414, 414A, w/ McCauley (Phenolic Block) (Thermoplastic Block)	3AF32C505/82NEA-X		RA2171-2	C-40010			RAB40012 (2)
414, S/N 414-0950 & up, w/ McCauley			RA-C165013-0604	C-40179			RAB40189 (2)
414A S/N 414A0001-414A0607, w/ McCauley			RA-C165013-0604				
RAM 414-AW, w/ McCauley	3AF36C514/80VFA-X	RA2252-4	RA40585	C-40179			RAB40189 (2)
421 A, B, w/ McCauley (Phenolic Block) (Thermoplastic Block)	3AF37C516/90LFB-X		RA2192-1	C-40010			RAB40012 (2)
421C	PHC-C3YF-2UF	4E1601-14	RA2067-3	C-40179			RAB40189 (2)
421C, w/ McCauley (Phenolic Block) (Thermoplastic Block)	3FF32C501/90UMB-X	RA2252-4	RA2171-2	C-40010			RAB40012 (2)
425	HC-B3TN-3		4E1989-7		RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
425, w/ McCauley	3GFR34C701/93KB-X	RA2252-4		C-40179			RAB40189 (2)
425, w/ McCauley	4HFR34C762/94LMA-X	B-40245-52	RAB40330	C-40257			RAC40256-1 (1) & RAC40256-2 (1)
441	HC-B3TN-5	4E1188-6	RA1989-2	4E1311-3			RA1543-1 (2) RA1543-2 (1)
441, w/ Exec. Wings Conv.	HC-E4N-5	4E2271-10	RA2192-4		RA2144-2	RA2111U-ROD (3)	RA1543-7 (3)
441 w/ McCauley	3GFR34C601/93JA-X	B-40245-56	RAC165013-0604	C-40193	RA2190-2	RA2111U-ROD (2)	RA1543-7 (2)
441, w/ McCauley (Phenolic Block)	4HFR34C661/90LNA-X		RA40585	C-40179			RAB40187 (2) RAB40189 (2)
Daher - See Socata							
deHavilland / Bombardier / Viking Air Limited							
DHC-4 w/ Pen Turbo Conv.	HC-B5MA-3A				RA2190-2	RA2111U-ROD (2)	RA1543-7 (2)
DHC-6 Twin Otter	HC-B3TN-3		RA1989-2	4E1311-2			RA1543-1 (2) RA1543-2 (1)
DHC-6, w/ Raisbeck Conv.					RA2190-1	RA2111U-ROD (2)	RA1543-7 (2)
DHC-6-300, w/ Field Av. Conv.	HC-D4N-3A				RA2190-2	RA2111U-ROD (2)	RA1543-7 (2)
DHC-6-300 w/ McCauley	4HFR34C764/90LNA-X	B-40245-52	RA40330				
Dornier							
DO128-6	HC-B3TN-3D		RA1989-2		RA2144-1	RA2111U (3)	RA1543-5 (3)
DO228			RA2469-1		RA2142-1	RA2111U (3)	RA1543-5 (3)
Douglas							
DC3/C47, w/ U. S. Aircraft Conv.	Hartzell 5 Bl.		RA1989-4		RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
DC3-3C, w/ Basler Conv.	HC-B5MA-3	4E2595-7			RA2190-2	RA2111U-ROD (2)	RA1543-7 (2)
Embraer							
EMB110 P1, P2 Bandeirante	HC-B3TN-3		RA1989-2	4E1311-2	RA2144-1	RA2111U (3)	RA1543-1 (2) & RA1543-5 (3)
EME-120	HC-B4TN-3						
EMB121A1	HC-B4TN-3						
Evangel Air							
4300/300				4E1350-5			RA1543-2 (3)
					RA2146-1	RA2111U-ROD (3)	RA1543-7 (3)
Fairchild / Swearingen							
Merlin IIA, IIB	Hartzell 3 Bl.			4E1311, -1			RA1306-1 (2) & RA1306-2 (1)
				4E1311-2			RA1543-1 (2) & RA1543-2 (1)
					RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
SA26-T, -AT,	HC-B3TN-5			4E1387-1			RA1306-1 (2) & RA1306-2 (1)
SA226-T, -AT, -TC Metro	HC-B3TN-5C	4E2200-10	RA2192-2	4E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
SA226-T, -AT, -TC	HC-B3TN-3			4E1311, -1			RA1306-1 (2) & RA1306-2 (1)
				4E1311-2			RA1543-1 (2) & RA1543-2 (1)
					RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
SA226-T, -AT, -TC	HC-B3TN-5C	4E2200-10	RA1989-2 RA2192-2	4E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
SA226-T(B),	HC-B4TN-5EL	4E1601-5	RA1989-2				
SA227-AC, -TC, TT Metro		4E1601-10 4E2271-10	RA2469-1 RA2192-2		RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
SA227-AC, -AT, -BC, -CC, DC,	4HFR34C652						RAB40332 (2)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
SA227-AC, -AT, -BC, -CC, -DC, Metroliner w/ McCauley	4HFR34C652/L106LA-X		RA40387	C-40331			RAB40332 (2)

Aircraft Manufacturer and Model Notes	Propeller Model	De-Icer / Prop Boot	Wire Harness & Hub Extender	Solid Block Assembly	Modular Brush Assembly	Brush Module (Quantity)	Brush (Quantity)
G.A.F. / Partenavia							
N-22B Nomad	HC-A3VF7		RA1989-2	4E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
Gulfstream - see Grumman American or Aero Commander							
Handley Page / British Aerospace							
137 Jetstream	HC-B3TN-3D		RA1989-2	4E1311-2			RA1543-1 (2) & RA1543-2 (1)
					RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
Harbin							
Y1-11B	PHC-C3YF-2KUF	4E2271-10	RA2150	3E2414-3			RA2426-3 (3)
					RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
Y-12	HC-B3TN-3B		RA1989-2	3E2414-3			RA2426-3 (3)
					RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
Hawker Beechcraft - see Beech							
Israel Aircraft							
101 Arava	HC-B3TN-3D		RA1989-2	4E1311-3			RA1543-1 (2) & RA1543-2 (1)
					RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
Korean Aerospace Industries							
KT-1	HC-B3TN-3C	3E2292-2			RA2190-1	RA2111U-ROD (2)	RA1543-7 (2)
Mitsubishi							
MU-2	HC-B3TN-5		RA2192-2	4E1387-1			RA1306-1 (2) & RA1306-2 (1)
				4E1387-5			RA1543-1 (2) & RA1543-2 (1)
	HC-B4TN-5L	4E2200-10 RA1288-7 4E2271-10	RA1989-4 RA2192-2		RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
Mooney							
201 (M20J), w/ 14 Volt	B2D34C214	4E2351-4			RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
201 (M20J), w/ 28 Volt	B2D34C214	4E2200-4			RA2190-2	RA2111U-ROD (2)	RA1543-7 (2)
231 (M20K)	HO-V123	4E2351-3			RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
252 (M20K), w/ 28 Volt	2A34C216	4E2200-3			RA2162-2	RA2111U-ROD (2)	RA1543-7 (2)
M20K, w/ 14 Volt	PHC-J2YF-1B, or 2A34C216	4E2351-3			RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
M20M, w/ McCauley	B3D32C417/82NRD-X			C-40521			RAC40522-1 (1) & RAC40522-2 (1)
M20R, Ovation, w/ McCauley	3A32C418/82NRC-X			C-40257			RAC40256-1 (1) & RAC40256-2 (1)
Rocket M20L, M20M, M20R, w/ McCauley	3AF32C525/80VMFA-X		RA2171-2	C-40179			RAB40189 (2)
Partenavia - see Vulcanair or G.A.F.							
Pilatus Britten-Norman - see Britten Norman							
PC-6 Series	HC-B3TN-3	4E2200-10	RA1989-2 RA2192-2	4E1311-2			RA1543-1 (2) & RA1543-2 (1)
					RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
PC-7	HC-B3TN-3	4E2200-10	RA2192-2		RA2190-1	RA2111U-ROD (2)	RA1543-7 (2)
PC-7, PC-9	HC-D4N-2	4E2271-10	RA2192-4		RA2144-2	RA2111U-ROD (3)	RA1543-7 (3)
PC-12, PC-12/45, PC-12/47	HC-E4A-3D		RA2460-4 RA2460-4HD				
Piper / The New Piper Aircraft, Inc.							
PA-23, 250 Aztec, w/ 14 Volt	HC-E2YR-2B						
PA-23, 250 Aztec, w/ 28 Volt	HC-E2YR-2B			4E1515-3			RA1306-1 (3)
				4E1350-5			RA1543-2 (3)
					RA2146-1	RA2111U-ROD (3)	RA1543-7 (3)
PA-30, -39 Twin Comanche, w/ Miller Conversion	HC-C2YK-2	4E1314-4		4E1639			RA1543-1 (2) & RA1543-2 (1)
PA-31 Navajo / PA-31-350 Non-Pressurized							
Non Counter Rotating Propellers, both Props, or Left Prop on C/R Equipped Aircraft	HC-E2YR-2 BHC-3YR-2A	4E2271-10	RA1649 Hub Ext. RA2194-1	4E1350-2			RA1306-1 (3)
				4E1350-5			RA1543-2 (3)
					RA2146-1	RA2111U-ROD (3)	RA1543-7 (3)
Counter Rotating Right Propeller without A/C	HC-E3YR-2ALF, ALFT		RA1649 Hub Ext.	4E1350-2			RA1306-1 (3)
				4E1350-5			RA1543-2 (3)
					RA2146-1	RA2111U-ROD (3)	RA1543-7 (3)
Counter Rotating Right Prop. W/ Air Conditioning (Air Conditioning)	HC-E3YR-2ALF, ALFT			4E1908-1			RA1543-1 (3)

Aircraft Manufacturer and Model Notes	Propeller Model	De-Icer / Prop Boot	Wire Harness & Hub Extender	Solid Block Assembly	Modular Brush Assembly	Brush Module (Quantity)	Brush (Quantity)
PA-31 Series - Pressurized							
PA-31P (Pressurized)	HC-C3YN-2L	4E2200-10	3E2094-3*	4E1387-4, -6			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
PA-31T Cheyenne, PA-31T1 PA-31T2	HC-B3TN-3B		RA1989-2	4E1311-2			RA1543-1 (2) & RA1543-2 (1)
					RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
PA-31T1A, -31T2A Cheyenne, PA-31T3 T-1040 Commuter	HC-B3TN-3B	4E2200-10	RA2192-2		RA2190-1	RA2111U-ROD (2)	RA1543-7 (2)
PA-31T, PA-31T1, w/ McCauley	4HFR34C766/94LNA-X		RA40330	C-40179			RAB40189 (2)
PA-32-300, & 301 Cherokee 6/Saratoga	HC-E2YR-1B HC-E3YR-IRF HC-C2YK-1	4E2151-3 4E2351-3	On Boot On Boot	4E1639			RA1543-1 (2) & RA1543-2 (1)
PA-34-200 Seneca	HC-C2YK-2	(Left) 4E2303-10 (Left) 4E1692-10 (Right)	On Boot RA2235-5 On Boot RA2194-1	4E1908-1	RA2142-1	RA2111U-ROD (3)	RA1543-2 (3) RA1543-7 (3)
PA-34-200T	BHC-C2YF-2CLKF BHC-C2YF-2CLKF	4E1188-10 (Left) 4E1601-10 (Right)	4E2235-5 RA2067-3		RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
PA-34-200T, -220T, 14 Volt	BHC-C2YF-2CLKF BHC-C2YF-2CLKF	4E1214-10 (Left) 4E1895-10 (Right)	4E2235-5 RA2067-3	4E1387-5			RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
PA-34-200T, -220T, 14 Volt	3AF34C502/503 or 3AF34C508/509	4E2303-10 (Left) 4E2292-10 (Right)	RA2194-1 RA2194-1		RA2162-2	RA2111U-ROD (2)	RA1543-7 (2)
PA-34-200T, -220T, 28 Volt	3AF34C502/503 or 3AF34C508/509	4E2271-10 (Left) 4E2200-10 (Right)	RA2192-5 RA2192-5		RA2162-2	RA2111U-ROD (2)	RA1543-7 (2)
PA-34-200T, -220T, 28 Volt	3AF32C522 3AF32C523	4E2271-10 (Left) 4E2200-10 (Right)	RA2192-5 RA2192-5		RA2162-2	RA2111U-ROD (2)	RA1543-7 (2)
PA-34-220T, 28 Volt	BHC-J2YF-2CUF BHC-J2YF-2CLUF	4E2271-10 (Left) 4E2200-10 (Right)	3E2150-1 3E2150-1		RA2162-2	RA2111U-ROD (2)	RA1543-7 (2)
PA-39 see PA-30							
PA42, Cheyenne, PA42 -720	HC-B3TN-3B		RA1989-2	4E1311-2			RA1543-1 (2) & RA1543-2 (1)
					RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
PA-42, PA-42-720, w/ McCauley	4HFR34C774/94LPA-X			C-40179			RAB40189 (2)
PA-44 -180 Seminole, W/ 2 Blade	HC-E2YR-2C HC-E2YR-2CL	4E2303-10 (Left) 4E2292-10 (Right)	RA2150 RA2150		RA2190-1	RA2111U-ROD (2)	RA1543-7 (2)
PA-44 -180 w/ 3 Blade Prop	HC-C3YR-2 HC-C3YR-2L	4E2303-10 (Left) 4E2292-10 (Right)	RA2150 RA2150		RA2190-1	RA2111U-ROD (2)	RA1543-7 (2)
PA-46	HC-B3TN-3ACX	4E3436-10	RA2192-2		RA2190-1	RA2111U-ROD (2)	RA1543-7 (2)
PA-46-310P Malibu	BHC-C2YF-1BF	4E2200-3			RA2171	RA2111U-ROD (2)	RA1543-7 (2)
PA-46-310P Malibu	PHC-G3YF-1E	4E3997-1			RA2171	RA2111U-ROD (2)	RA1543-7 (2)
PA-46-310P, -350P	HC-12YR-1BF	4E2200-3			RA2171	RA2111U-ROD (2)	RA1543-7 (2)
PA-46-310P, -350P	HC-E4N-3M	4E3462-1			RA2144-2	RA2111U-ROD (2)	RA1543-7 (2)
PA-46-350P Malibu Meridian	HC-13YR-1E	4E3997-1			RA2171	RA2111U-ROD (2)	RA1543-7 (2)
PA-60-700P - see Aerostar							
Raytheon - see Beech							
Rockwell - see Aero Commander							
Short Brothers							
SC7	HC-B3TN-5 HC-B4TN-5EL HC-B4TN-5EL	4E1601-5	RA1989-2 RA1989-2 RA1989-2	4E1387-1 4E1387-5			RA1306-1 (2) & RA1306-2 (1) RA1543-1 (2) & RA1543-2 (1)
					RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
SD3-30	HC-B5MP-3	4E2271-10	RA1989-4 RA2192-4	4E1311-3			RA1543-1 (2) & RA1543-2 (1)
					RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
SD3-60	HC-B5MP-3C	4E2595-7 4E2595-10	RA2117-4 RA2192-2		RA2190-1	RA2111U-ROD (2)	RA1543-7 (2)
SD3-60-300					3E2334-1		RA2620-1
SIAl-Marchetti							
S210	HC-C2YR-2B			4E1693			RA1543-1 (2) & RA1543-2 (1)
SF600TP	HC-B3TF-7A	4E2824-10	RA2192-2		RA2162-2	RA2111U-ROD (2)	RA1543-7 (2)
Socata - see Aerospaiael							
TBM-700	HC-4N-3	4E2271-10	RA2192-4		RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
Swearingen - see Fairchild							
Textron see Beech or Cessna							

Aircraft Manufacturer and Model Notes	Propeller Model	De-Icer / Prop Boot	Wire Harness & Hub Extender	Solid Block Assembly	Modular Brush Assembly	Brush Module (Quantity)	Brush (Quantity)
Turbolet							
L-410	HC-B3TN-3D		RA1989-2	4E1311-2			RA1543-1 (2) & RA1543-2 (1)
	HC-B4TN-3				RA2144-1	RA2111U-ROD (3)	RA1543-7 (3)
Twin Commander - see Aero Commander							
Viking Air Limited - see de-Havilland							
Vulcanair / Partenavia							
P68 Observer	HC-C2YK-2CUF			4E1639	4E1639		RA1543-1 (2) & RA1543-2 (1)
	HC-C3YK-2						
P68TC	HC-B3TF-7A				RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)
AP68TP	HC-B3TF-7	4E2200-10	RA2192-2		RA2162-1	RA2111U-ROD (2)	RA1543-7 (2)
AP68TP300			RA2192-2		RA2142-1	RA2111U-ROD (3)	RA1543-7 (3)

Part Numbers without RA are OEM numbers shown for reference only.
For reference only. For installation eligibility refer to the FAA-PMA Supplement.