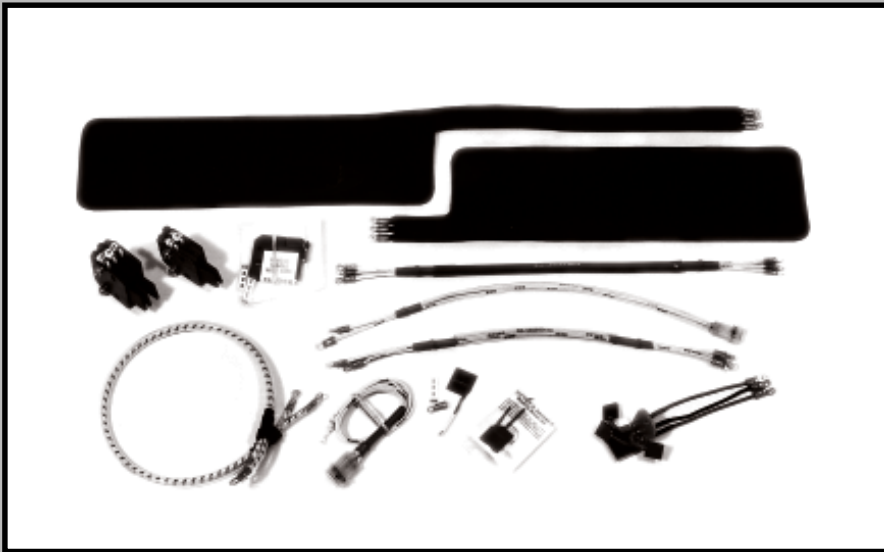


Replacement DE-ICE APPLICATION GUIDE

**BRUSHES, MODULES, BOOTS, LEADS
HARNESSES, AND ASSEMBLIES FOR
BFGOODRICH AND McCAULEY REPLACEMENT**



RAPCO, inc.

REPLACEMENT AIRCRAFT PARTS CO.

445 Cardinal Lane
Hartland, Wisconsin 53029 USA
For a list of Distributors, please call.
(262) 367-2292 Phone (262) 367-7158 Fax
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151-DEICE 8/02

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Guide to using this application

AIRCRAFT	MODEL PROP	DE-ICE BOOT	LEAD HARNESS
680F Series	A HC-B3Z30-2 Depending on Boot	A RA1288-4 A RA1288-3 A 4E2200-10	A On Boot A On Boot A RA2192-2
685	A HC-B3TN-5 Depending on Boot	A RA1288-3 A RA1701-7	A On Boot A RA2067-1

Deicer Boots & Deicer Leads
Pages 2-6

This section follows left to right for each aircraft and each item.

AIRCRAFT	ORIGINAL BLOCK ASSEMBLY *	MODULAR BRUSH ASSEMBLY	BRUSH MODULE ASSY (QTY)	BRUSH (QTY)
680F Series	4E1387-1			A RA-1306-1 (2) A RA-1306-2 (1)
	4E1387-5			A RA-1543-1 (2) A RA-1543-2 (1)
		RA-2146-1	A RA-2111U (3)	A RA-1543-7-4 (3)
685	4E1387-5			A RA-1543-1 (2)

Deicer Brush Modules & Deicer Brushes
Pages 7-13

This section follows left to right for each aircraft and each item.

RAPCO to BFGoodrich & McCauley

Part Number Cross Reference

(See back of manual for complete cross-reference guide.)

RAPCO Part No.	BFGoodrich Part No.	Description
RA(BFG# +100)	3E(BFG#) 4E(BFG#)	Template for calculating #
<i>Examples:</i>		
RA2142-1	3E2042-1	Mod. Brush Assy.
RA2192-3	3E2092-3	Wire Harness
RA1288-5	4E1188-5	Prop De-ice boot
RA-2111-U	3E2011-1	Brush Mod. Assy.
"	3E2011-2	"
"	3E2011-3	"

RAPCO Part No.	McCauley Part No.	Description
RA(McCauley#)	(McCauley#)	Template for calculating #
<i>Examples:</i>		
RAB-40189	B-40189	Brush & Hldr Assy.
RAB-40012	B-40012	Brush & Hldr Assy.

RAPCO, Inc. DE-ICE APPLICATION



	AIRCRAFT	MODEL PROP	DE-ICE BOOT	LEAD HARNESS	Notes:
Aero Commander					
	500	HC-A3VF	RA38572		
	500A	HC-A3VF-2	RA1288-3	On Boot	
	500B	HC-A3VK-2	RA1288-4	On Boot	
		HC-C3YR-2	RA1288-3	On Boot	
	500U	HC-A3VK-2	RA1288-4	On Boot	
		HC-C3YR-2	RA1288-3	On Boot	
	500S w/90 Amp Generators, 70 Amp or 100 Amp Alternators	HC-C3YR-2	RA1288-3 RA1707-7	On Boot RA2067-2	
	500S S/N 3115 & up	HC-C3YR-2	RA1288-3	On Boot	
	560 Series	HC-A3V20-2	RA1288-3	On Boot	
	560F	HC-B3Z30-2	RA1288-4	On Boot	
			RA1288-3	On Boot	
			4E2200-10*	RA2192-2	
	680 Series	HC-A3V20-2	RA1288-3	On Boot	
	680F Series	HC-B3Z30-2	RA1288-4	On Boot	
			RA1288-3	On Boot	
			4E2200-10*	RA2192-2	
	685	HC-B3TN-5	RA1288-3	On Boot	
			RA1701-7	RA2067-1	
	690 Series	Hartzell 3 Bl.	RA1701-3	On Boot	
		Hartzell 3 Bl.	4E1601-5*	RA1989-2	
	690 C	Dowty Rotol 3 Bl.		RA2469-1	
	695	Dowty Rotol 3 Bl.		RA2469-1	
	720	HC-A3V20-2	RA1288-3	On Boot	
Beechcraft					
	D18	HC-B2 Series	RA38572		
	D18C, S, E18S, G18S, H18	Hartzell 3 Bl.	RA1288-3	On Boot	
	Volpar Conv.		RA1288-3	RA1989-2	
			4E2200-10*	RA2192-2	
	33 (14 Volt System)	2A36C23	RA1314-3	On Boot	
		3A32C76	RA1314-3	On Boot	
	35 Series (14 Volt System)	2A36C23	RA1314-3	On Boot	
		3A32C76	RA1314-3	On Boot	
	36 Series (14 Volt System)	2A36C23	RA1314-3	On Boot	
		3A32C76	RA1314-3	On Boot	
	Allision Turbine Conv.		4E2200-10*	RA2192-2	
	C45G, C45H	Hartzell 3 Bl.	RA1288-3	On Boot	
	50 Series, E50, F50, G50,	HC-B3Z30-2	RA1288-3	On Boot	
	55 Series	PHC-J3YF-2	RA1288-3	On Boot	
		PHC-C3YF-2	4E2271-10*	RA2194-1	
		Non-Air Cond.	4E2271-10*	RA2150	
		BHC-J2YF-2	RA1701-7		
		BHC-C2YF-2	4E2271-10*	RA2194-2	
		Non-Air Cond.	4E2271-10*	RA2150-2	
	C55	McCauley 2 Bl.	RA1288-3	On Boot	
	E55 A/C Only		4E2271-10*	RA2150-2	
	56 TC	HC-F3YR-2	RA1701-7	RA2067-4	
				RA1656 #	
		Hartzell 2 Bl.	RA1288-3	On Boot	
			4E2271-10*	RA2194-1	
	58 Series	PHC-J3YF-2	RA1288-3	On Boot	
			4E2271-10*	RA2150	
		BHC-J2YF-2	RA1701-7	RA2150-2	
			4E2271-10*	RA2194-2	
		McCauley 2 Bl.	RA1288-3	On Boot	
			4E2271-10*	RA2194-1	
		D3AF32C35	RA1288-3	On Boot	

* Indicates an item not manufactured by RAPCO, Inc. , # = Hub extender , On Boot means the lead is built into the boot. Brush Modules and Brush information on pages 7-13.

RAPCO, Inc. DE-ICE APPLICATION



	AIRCRAFT	MODEL PROP	DE-ICE BOOT	LEAD HARNESS	Notes
Beechcraft (cont.)					
	60 Series	HC-F3YR-2	RA1701-7	RA2067-4	
				RA1656 #	
		Hartzell 2 Bl.	RA1288-3	On Boot	
			4E2271-10*	RA2150	
	65 Series, 65-90	HC-B3Z30-2	RA1288-3	On Boot	
		3TN-Series.	RA1288-5	RA1989-2	
		4TN-Series	RA1288-3	On Boot	
		Excalibur Conv.	RA1288-4	On Boot	
		Non-Reversing	RA1288-3	On Boot	
			4E2200-10*	RA2192-3	
		Reversing	4E2200-10*	RA2192-2	
	80 Series	HC-B3Z30-2	RA1288-3	On Boot	
		3TN-Series.	RA1288-5		
		4TN-Series	RA1288-3	On Boot	
		Excalibur Conv.	RA1288-4	On Boot	
	88 Series	HC-B3Z30-2	RA1288-3	On Boot	
		3TN-Series.	RA1288-5		
		4TN-Series	RA1288-3	On Boot	
		Excalibur Conv.	RA1288-4	On Boot	
	90 Series	HC-B3TN-3	RA1288-5	RA1989-2	
		HC-B4TN-3	RA1288-3	On Boot	
			4E2200-10*	RA2192-2	
	F90	Hartzell 4 Bl.	RA1288-5	RA1989-3	
				RA2192-3	
	Raisbeck Conv.		4E2271-10*	RA2192-4	
	95 Series	HC-A3XF-2B	RA1288-3	On Boot	
		3AF32C75	RA1288-3	On Boot	
		HC-C3YF-2	RA1701-7		
	99 Series	HC-B3TN-3	RA1288-5	RA1989-2	
		HC-B4TN-3	RA1288-3	On Boot	
			4E2200-10*	RA2192-2	
	100 Series	HC-B3TN-3	RA1288-5	RA1989-2	
		HC-B4TN-3	RA1288-3	On Boot	
			4E2200-10*	RA1989-2	
	A100	Hartzell 4 Bl.	RA1288-5	RA1989-3	
			4E2200-10*	RA2192-2	
	B100	Hartzell 4Bl.		RA2192-6	
	200 Series	HC-B3TN-3	RA1288-5	RA1989-2	
		HC-B4TN-3	RA1288-3	On Boot	
			4E2200-10*	RA2192-2	
	B200B Series	3GFR34C702	RA2252-4	RA40330	
	Raisbeck Conv.		4E2271-10*	RA2192-4	
	300	Hartzell 4Bl.	4E2575-7*	RA-2117-8	
			4E2575-10*	RA2192-2	
	1900	Hartzell 4Bl.	4E2560-10*	RA2192-2	
				RA2626-1	
Britten Norman					
	BN-2 Series	HC-C2YK-2	RA1288-4	On Boot	
		Hartzell 3 Bl.		RA2150	
Casa					
	C212 Series	HC-B3TN-3	1288-3	On Boot	
		Hartzell 4 Bl. Alm.		RA1989-2	
		Hartzell 4 Bl. Com.	RA2192-2		



Deicer Boots & Deicer Leads



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	AIRCRAFT	MODEL PROP	DE-ICE BOOT	LEAD HARNESS	Notes:
Cessna					
	208	Hartzell 3 Bl. Com.		RA2192-2	
	210 14 or 28 Volt Elec.	D2A34C58	RA1314-3	On Boot	
		E2A34C73	RA1314-3	On Boot	
		D3A32C88	RA1314-3	On Boot	
		D3A32C404	RA1314-3	On Boot	
		E2A34C70	RA2815-1	On Boot	
		D3A34C402	RA2815-1	On Boot	
	310 Series thru H	3AF32C87	RA2056-4		
		HC-A2VF-2	RA1288-3	On Boot	
		HC-A3VF-2	RA1288-3	On Boot	
	310 Series J-P			RA2192-1	
	T310R S/N 310R0938-310R2109	3AF32C87	RA2056-4	RAC165013-0604	
	320 D,E,F	3AF32C504	RA2948	RA2192-1	
	335 S/N 335-0001 & up			RAC165013-0604	
	336, 337 Series	D2AF34C59	RA1288-3	On Boot	
		C 3 Series	RA1288-3	On Boot	
	340 Series	3AF32C87	RA2948	RAC165013-0604	
		Hartzell 3 Bl. RAM		RA2067-3	
	340A S/N 340A0314-340A1215			RAC165013-0604	
	401 A,B	3AF32C504	RA2948	RA2192-1	
	402 AJI Conv.	HC-B3TF-7	RA1288-5	RA2192-3	
			RA1288-3	On Boot	
	402 A,B,C	3AF32C505	RA2948	RA2192-3	
	402B S/N 402B1238 & up			RAC165013-0602	
	402B S/N 402B1238 & up			RAC165013-0604	
	402C S/N 402C0001-402C0406			RAC165013-0604	
	404	3FF32C501	RA2252-2	RA2171-2	
	411, A	3AF34C74		RA2192-1	
	414 Series	3AF32C93	RA2056-4	RAC165013-0604	
	414 S/N 414-0950 & up			RAC165013-0604	
	414A S/N 414A0001-414A0607			RAC165013-0604	
	421, A,B			RA2192-1	
	421C	3FF32C501	RA2252-2	RA2171-2	
	425	HC-B3TN-3	RA1288-6		
	441	HC-B3TN-5	RA1288-6	RA1989-2	
Colemill					
	Aero Commander 500A	HC-A3VF-2	RA1288-3	On Boot	
DeHavilland					
	DHC-6 100,200	HC-B3TN-3	RA1288-3	On Boot	
	Model 300		RA1288-5	RA1989-2	
	Raisbeck Conv.		4E2271-10*	RA2192-4	
Dornier					
	DO128-6			RA1989-2	
	DO228			RA2469-1	
Embraer					
	EMB110P1,P2	HC-B3TN-3	RA1288-6	RA1989-2	
			HOTPROP	RA2192-2	
	EMB120	HC-B4TN-3	RA1288-5		

When installing De-Ice leads on Cessna 300 or 400 series aircraft, use lead clamp part number TA4C67SS04AB has specified in Cessna Service Kit

RAPCO, Inc. DE-ICE APPLICATION



	AIRCRAFT	MODEL PROP	DE-ICE BOOT	LEAD HARNESS	Notes
Fairchild/Swearingen					
	Merlin - Metro SA226 or 7	HC-B3TN-5	RA1288-4	On Boot	
	TPE331 Eng.	Hartzell 3 Bl.	RA-1288-4	On Boot	
			RA1288-6	RA1989-2	
			RA1288-3	On Boot	
			4E2200-10*	RA2192-2	
			4E1601-5*	RA1989-2	
			4E1601-10*	RA2469-1	
			4E2271-10*	RA2192-2	
			4E2598-10*	RA2469-2	
		SA227-AC	4HFR34C652		RA40330
	SA227-AT	4HFR34C652		RA40387	
Frakes					
Fuji	298 Mohawk		RA1701-7	RA1989-4	
			4E2271-10	RA2192-4	
G.A.F.	300-12		RA1701-7	RA2067-1	
Handley Page	N-22B		RA1288-5	RA1989-2	
Harbin	137 Jetstream	HC-B3TN-5	RA1288-5	RA1989-2	
Israel Arava	Y-12		RA1288-5	RA1989-2	
Mitsubishi	1A1-101	HC-B3TN-3	RA1288-5	RA1989-2	
Norman D. Norman	MU 2 Series	HC-B3TN-5	RA1288-3	On Boot	
			RA1288-4	On Boot	
			RA1288-5	RA2192-2	
		HC-B4TN-5	RA1288-7	RA1989-4	
			4E2200-10*	RA2192-2	
			4E2271-10*	RA2192-2	
Partenavia	NDNIT	Hartzell 3 Bl.	4E2200-10*	RA2192-2	
Pilatus	P68	HC-C2YK-2	RA1288-4	On Boot	
Piper	PC-6 Series	HC-B3TN-3	RA1288-5	RA1989-2	
			4E2200-10*	RA2192-2	
	PC-7		4E2200-10*	RA2192-2	
	PA-23, 250 14 Volt	HC-2VK-2	RA1314-2	On Boot	
	14 Volt	HC-E2YR-2	RA1314-2	On Boot	
	28 Volt	HC-E2YR-2	RA1288-3	On Boot	

Deicer Boots & Deicer Leads

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	AIRCRAFT	MODEL PROP	DE-ICE BOOT	LEAD HARNESS	Notes:
Piper (cont.)					
	PA-31-31,325	HC-E2YR-2	RA1288-3	On Boot	
	PA-31-325			RA1649#	
	PA-31-350	HC-E3YR-2	RA1288-3	On Boot	
		Left Prop	RA1288-3	On Boot	
		Right Prop	RA1701-3	On Boot	
		Left Prop	4E2271-10*	RA2194-1	
		Right Prop	4E2200-10*	RA2194-1	
				RA1649 #	
	PA-31 (Pressurized)	HC-C3YN-2	RA1701-3	On Boot	
			4E2200-10*	RA2194-3	
	PA-31 T Series	HC-B3TN-3	RA1288-5	RA1989-2	
			4E2200-10*	RA2192-2	
	PA-32-300, & 301 Series	HC-C2YK-1	RA1314-2	On Boot	
	PA-34-200	HC-C2YK-2 Left	RA1314-2	On Boot	
		HC-C2YK-2 Rt.	RA1995-2	On Boot	
			4E2303-10*	RA2194-1	
			4E2292-10*	RA2194-1	
	PA-34-200T Series Hrt. 2 Bl.	LEFT PROP	4E1895-7*	RA2067-1	
		RIGHT PROP	4E1214-7*	RA2067-1	
		LEFT PROP	4E1895-10*	RA2067-3	
		RIGHT PROP	4E2292-10	RA2194-1	
	McCaughey 3 Bl.	LEFT PROP	4E2303-10*	RA2192-5	
		RIGHT PROP	4E2292-10*	RA2192-5	
	Hartzell 3 Bl.	LEFT PROP	4E2303-10*	RA2150	
		RIGHT PROP	4E2292-10*	RA2150	
	PA-44 -180, 2 or 3 Bl.	LEFT PROP	4E2303-10*	RA2150	
		RIGHT PROP	4E2292-10*	RA2150	
	PA-60-700P	Hartzell 3 Bl.		RA2150-2	
	600 Series	HC-C3TY2	RA1288-4	On Boot	
Short Brothers					
	SC7 Series	HC-B3TN-5	RA1288-3	On Boot	
			RA1288-6	RA1989-2	
		HC-B4TN-5	RA1288-5	RA1989-2	
			4E1601-5*	RA1989-2	
	SD3-30	HC-B5MP-3	RA1701-7	RA1989-4	
			4E2271-10*	RA2192-4	
	SD3-60		4E2595-7*	RA2117-4	
SIAI-Marchetti					
	SF600TP		4E2824-10*	RA2192-2	
Turbolet					
	L-410	Hartzell 3 Bl.	RA1288-5	RA1989-2	
		Hartzell 4 Bl.	4E1601-5*	RA1989-2	
U.S. Aircraft					
	DC3/C47 Conv.	Hartzell 5 Bl.	RA1701-7	RA1989-4	

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Corrections Page: (262) 367-7158 FAX

Please photocopy this page and place any corrections or alternate setups that you are familiar with and fax back to (262) 367-7158.

RAPCO, Inc.

DE-ICE APPLICATION



Notes:

Please photocopy this page and fax correctoins to RAPCO

AIRCRAFT	MODEL PROP	DE-ICE BOOT	LEAD HARNESS	
AIRCRAFT	ORIGINAL BLOCK ASSEMBLY *	MODULAR BRUSH ASSEMBLY	BRUSH MODULE ASSY (QTY)	BRUSH (QTY)

Deicer Boots & Deicer Leads

Deicer Brush Modules & Deicer Brushes

Please photocopy this page

**CROSS REFERENCE CHART**

ITEM	RAPCO	SAFEWAY	B.F.G.	CESSNA	McCAULEY
Deice Cable	RA-C165013-0602	6260SW-1	4E2071-1	C165013-0602	
Deice Cable	RA-C165013-0604	6479SW	4E2071-3	C165013-0604	B-5051
Deice Boot	RA1288-3	6848	4E1188-3		
Deice Boot	RA1288-4	6904	4E1188-4		
Deice Boot	RA1288-5	5735	4E1188-5		
Deice Boot	RA1288-5	6975	4E1188-5		
Deice Boot	RA1288-6	6860	4E1188-6		
Deice Boot	RA1288-7	6905	4E1188-7		
Deice Brush	RA1306-1		3E1206-1		
Deice Brush	RA1306-2		3E1206-2		
Deice Brush	RA1306-3		3E1206-3		
Deice Boot	RA1314-2	6981	4E1214-2		
Deice Boot	RA1314-3	6982	4E1214-3		
Deice Brush	RA1543-1		3E1443-1		
Deice Brush	RA1543-2		3E1443-2		
Deice Brush	RA1543-5		3E1443-5		
Deice Brush	RA1543-7		3E1443-7		
Deice Boot	RA1701-3	6888	4E1601-3		
Deice Boot	RA1701-7	6870	4E1601-7		
Deice Cable	RA1989-2	6976	4E1889-2		
Deice Cable	RA1989-2	D-5735-1	4E1889-2		
Deice Cable	RA1989-3	6959	4E1889-3		
Deice Cable	RA1989-4	6874	4E1889-4		
Deice Boot	RA1995-2	6985	4E1895-2		
Deice Boot	RA2056-4	5855BSW	4E1956-4	C165013-0601	
Deice Boot	RA2056-4	6615SW	4E1956-4		B-40183-04
Deice Cable	RA2067-1	6962	4E1967-1		
Deice Cable	RA2067-2	6963	4E1967-2		
Deice Cable	RA2067-3	6964	4E1967-3		
Deice Cable	RA2067-4	6965	4E1967-4		
Deice Cable	RA2067-5	6966	4E1967-5		
Deice Cable	RA2117-4	6881	3E2017-4		
Deice Cable	RA2117-8	6951	3E2017-8		
Deice Cable	RA2150	6960	3E2050		
Deice Cable	RA2150-2	6961	3E2050-2		
Deice Cable	RA2171-2	6638	4E2071-2	6638	
Deice Cable	RA2171-2	5856C	4E2071-2	D-5855-1	
Deice Cable	RA2171-2	D-6206-1	4E2071-2	D-6206-1	
Deice Cable	RA2192-2	6887	3E2092-2		
Deice Cable	RA2192-3	6952	3E2092-3		
Deice Cable	RA2192-4	6834	3E2092-4		
Deice Cable	RA2192-5	6953	3E2092-5		
Deice Cable	RA2192-6	6954	3E2092-6		
Deice Cable	RA2194-1	6955	3E2094-1		
Deice Cable	RA2194-2	6956	3E2094-2		
Deice Cable	RA2194-3	6993	3E2094-3		
Deice Boot	RA2252-2	6205SW	4E2716	6205	B-40183-02
Deice Boot	RA2252-4	6553SW	4E2152-4		B-40183-06
Deice Cable	RA2469-1	6987	3E2369-1		
Deice Cable	RA2469-2	6941	4E2369-2		
Deice Boot	RA2815-1	6199SW	4E2715-1	C165013-0701	
Deice Boot	RA2948	6592SW	4E2702		B-40183-01
Deice Cable	RA40330	6719SW		B-40330	B-40330
Deice Cable	RA40387	6875SW	3E2293-1		B-40387
Deice Brush	RAB40012			B40012	B40012
Deice Brush	RAB40189				B40189
Deice Brush	RAB40332				B40332