

## Prop De-icers and Hardware Kits

### AERO COMMANDER

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
500	Hartzell	4E1188-1	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1213	Brush Block Assembly
		4E1187	Slip Ring Assembly
500 Series	Hartzell HC-A3XF-2B	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1474	Slip Ring Assembly
500A	Hartzell HC-A2XF-2	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2046-2	Modular Brush Block Assembly
		4E1353	Slip Ring Assembly
500B,500S,500U	Hartzell HC-A3XK/VK-2	4E1188-3	Dual Element Prop De-Icer, w/90 Amp Generators
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2046-2	Modular Brush Block Assembly
		4E1365-3	Slip Ring Assembly
		4E2200-10	Hotprop® Prop De-Icer
		3E2093-1/6992	Wire Harness Assembly (2-Wire - 15.875"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		4E1188-4	Dual Element Prop De-Icer, w/70 Amp Generators
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2046-2	Modular Brush Block Assembly
500S	Hartzell HC-C3YR-2	4E1601-7	Dual Element Prop De-Icer, w/70 or 100 Amp Alternators
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2046-2	Modular Brush Block Assembly
		5E1450	Slip Ring & Starter Ring Gear Assembly Below S/N 3115 w/70 Amp Alternators
		5E1482-1	Slip Ring & Starter Ring Gear Assembly S/N 3115 and up w/70 or 100 Amp Generators
500B, 500U	Hartzell HC-A3XK/VK-2	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2046-2	Modular Brush Block Assembly

## Prop De-icers and Hardware Kits

### AERO COMMANDER (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
500B, 500U	Hartzell HC-A3XK/VK-2	4E1365-1	Slip Ring w/50 Amp Generators
		4E1365--3	Slip Ring w/90 Amp Generators
		4E2200-10	Hotprop® Prop De-Icer
		3E2093-1/6942	Wire Harness, Two Wire
560A, 560E, 680, 680E, 720	Hartzell HC-A3X20-2	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2044-1	Modular Brush Block Assembly
		4E1287-1	Slip Ring Assembly
	Hartzell H83X20	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1327	Brush Block Assembly
		4E1282/4E1424-2	Slip Ring Assembly
560F,580F,680FP	Hartzell HC-B3Z30-2B	4E1188-3	Dual Element Prop De-Icer
		4E1363	Brush Block Assembly
		4E1361	Slip Ring Assembly
680-F,680FL,680FL(P)	Hartzell HC-A3MVK-2A	4E1188-4	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1562-2	Modified Brush & Mounting Plate Assembly
		5E1583-1	Slip Ring Assembly
560F, 680F, 680FL, 680FP, 680FLP	Hartzell HC-B3Z30-2B	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1474	Slip Ring Assembly
		4E2200-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
680T,680V,680W,681	Hamilton Standard 33LF-325	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1578	Slip Ring Assembly
		4E1188-10	Propeller De-Icer
680W	Hartzell HC-B3TN-5K	4E1188-10	Propeller De-Icer
		4E2333-1/6957	Wire Harness Assembly (3 Wire - 15.25"L - Molded End)

## Prop De-icers and Hardware Kits

### AERO COMMANDER (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
680W	Hartzell HC-B3TN-5K	3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Out-puts - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1526-4	Slip Ring Assembly
685	Hartzell HC-F3YN-2	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Out-puts - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1880-1	Slip Ring Assembly
	Hartzell HC-H3YN-2	4E1601-7	Dual Element Prop De-Icer
		4E1967-1/6962	De-Icer Wire Harness (3 Wire - 15"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Out-puts - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		3E1775	Slip Ring Wire Harness
690	Hartzell HC-B3TN-5CL	4E1601-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Out-puts - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1865-2	Slip Ring Assembly
690, 690A, 690B	Hartzell HC-B3TN-5FL	4E1601-5	Dual Element Prop De-Icer
		4E1889-2/7021	De-Icer Wire Harness (3 Wire - 12.75"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Out-puts - 34 Sec)
		3E2042-2	Modular Brush Block Assembly
		4E1865-2	Slip Ring Assembly Can Replace 4E1685-1/4E1689 (Spacer Ring) Combo
690C, 690D, 695, 695A	Dowty Rotol 324	4E2598-10	Hotprop® Prop De-Icer
		4E2370-1/6887	Wire Harness Assembly (3 Wire - 14.75"L - Mold- ed End)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Out-puts - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E2366	Slip Ring Assembly
		4E1601-10	Dual Element Prop De-Icer ( Left Rotation)
		4E2370-1/6887	Wire Harness Assembly (3 Wire - 14.75"L - Mold- ed End)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Out-puts - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E2366	Slip Ring Assembly
700	Hartzell HC-E3YR-2AF	4E1601-7	Dual Element Prop De-Icer
		4E1967-1/6962	De-Icer Wire Harness (3 Wire - 15"L)

## Prop De-icers and Hardware Kits

### AERO COMMANDER (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
700	Hartzell HC-E3YR-2AF	3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1639	Brush Block Assembly
		5E1693	Slip Ring Assembly

### AERO VODOCHODY

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
AE270	Hartzell HC-E4N-3P	4E2595-12	Propeller De-Icer Assembly
		3E2383-4	Wire Harness (Molded - 2 Wire - 17.56"L - Plug End)
		3E2044-2	Modular Brush Block Assembly
		4E2661-1	Slip Ring Assembly

### AEROSPACE TECHNOLOGIES OF AUSTRALIA

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
N22B, N24A	Hartzell HC-A3VF-7/-7B	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Wire Harness, QDS

### AEROSTAR AIRCRAFT

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
PA-60-600, PA-60-601, PA-60-601P, PA-60-602P	Hartzell HC-C3YR-2	4E1188-4	Dual Element Prop De-Icer
			Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E1150-10	
		4E1562-2	Modified Brush & Mounting Plate Assembly
		5E1421	Slip Ring & Starter Gear Assembly
		4E2200-4	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)

### AIR TRACTOR

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
AT-302,AT-400	Hartzell HC-B3TN-5C/-5M/- 3D	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)

## Prop De-icers and Hardware Kits

### AMERICAN JET INDUSTRIES

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
Hustler	Hartzell HC-B4TN-5F	4E1188-5	Dual Element Prop De-Icer
		4E1889-2/7021	De-Icer Wire Harness (3 Wire - 12.75"L)
		3E1964-1	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
		3E2042-1	Modular Brush Block Assembly
		4E1933-6	Slip Ring Assembly

### ANTONOV

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
AN-28	Hartzell HC-B5MP-3D	4E3035-10	Prop De-Icer Pezetel
		3E2092-2	Wire Harness Assembly - (2-Wire - 14.56"L - Molded End)
		4E2808-3	Timer/Monitor, Epd
		3E2090-1	Modular Brush Assembly
		4E2511	Slip Ring Assembly

### AVIA

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
Accord	Hartzell BHC-C2YF-2KUF	4E2271-10	Hotprop® Prop De-Icer
		3E2050-2	Wire Harness (17.07"L)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		4E2440	Slip Ring Assembly
Accord 201	Hartzell HC-H3YF-2KUF	4E1601-10	Dual Element Prop De-Icer ( Left Rotation)
		4E1967-3	Wire Harness (3 Wires - 13.94"L)
		3E1150-12	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E2459-2	Slip Ring Assembly

### BEECH

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
1079	Hartzell HC-B3WF-4	4E1746-2	Prop De-Icer
		3E1575-1	Timer
		4E1749-2	Brush Block Assemblies - Modular
		4E1853-1	Slip Ring
18	Hartzell HC-B3TN-3	4E1188-3, 4E1188-4	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)

## Prop De-icers and Hardware Kits

### BEECH (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
18	Hartzell HC-B3TN-3	3E2044-1	Modular Brush Block Assembly
		4E1555-1	Slip Ring Assembly
	Hartzell HC-B3	4E1188-3	Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2044-1	Modular Brush Block Assembly
		4E1287-1	Slip Ring Assembly
	Hartzell HC-B3TN-5	4E1188-3, 4E1188-5	Dual Element Prop De-Icer
		4E1889-2	Wire Harness Assembly (3-Wire - 12.76"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E1405-2	Modular Brush & Mounting Bracket Assembly
		4E1526-1	Slip Ring Assembly
		4E2200-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly - (2-Wire - 14.56"L - Molded End)
33, 35, 36	McCauley 2A36C23/C82	4E1214-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1635	Slip Ring & Holder Assembly
		4E2292-3	Hotprop® Prop De-Icer
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
	McCauley 3A32C76	4E1214-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1681	Slip Ring & Holder Assembly
		4E2292-3	Hotprop® Prop De-Icer
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
		F33A, F33C, S35, V35A, V35B, 36, A36	Hartzell HC-F3YR-1RF
3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)		
3E2071	Modular Brush Assembly		
4E2200-3	Hotprop® Prop De-Icer, 28V		
3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)		
3E2071	Modular Brush Assembly		

## Prop De-icers and Hardware Kits

### BEECH (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
F33A, 35-C33A , A35B, S-35,V-35, A36TC, A36, B36TC	McCauley 3A32C76 or Hartzell PHC-C3YF-1RF	4E2200-2	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2062-2	Modular Brush Assembly
		4E2267	Slip Ring Assembly
S35,V35	Hartzell PHC-A3VF-4	4E1214-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1650	Slip Ring Assembly
		4E2292-3	Hotprop® Prop De-Icer
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
V35	McCauley 2A36C82/C23	4E2200-8	Thermal Efficient Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2062-2	Modular Brush Assembly
		4E2324	Slip Ring Assembly
	McCauley 2A37C223	4E2200-2	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2062-2	Modular Brush Assembly
		4E2324	Slip Ring Assembly
A36	Hartzell HC-C4YF-1E	4E2200-2	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2062-2	Modular Brush Assembly
		4E2972	Slip Ring Assembly
A36,A36TC	Hartzell HC-B3TF-7A	4E3048-10	Prop De-Icer Thermal Efficient
		3E2507-1	Wire Harness Assembly (2-Wire - 12.76"L - Molded End)
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
		3E2062-2	Modular Brush Assembly
A36,B36TC	Hartzell PHC-3CYF-1RF	4E2200-2	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2062-2	Modular Brush Assembly
		4E2267-1	Slip Ring Assembly
E50, F50, G50, H50, 65	Hartzell HC-B3T/B3Z	4E1270	Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1283/3E2044-1	Modular Brush Block Assembly
		4E1282/4E1424-1	Slip Ring Assembly

## Prop De-icers and Hardware Kits

BEECH (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION	
E50, F50, J50, J65, 65-80, 65-88	Hartzell HC-B3T/B3Z	4E1188-3	Dual Element Prop De-Icer	
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)	
		3E2044-4	Brush Block Assemblies - Modular	
		4E1287-2	Slip Ring Assembly	
		4E2200-3	Hotprop® Prop De-Icer	
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)	
B55, E55	Hartzell BHC-C2YF-2C	4E1188-3	Dual Element Prop De-Icer	
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)	
		3E2042-1	Modular Brush Block Assembly	
		4E1923-1	Slip Ring & Holder Assembly	
		4E2271-10	Hotprop® Prop De-Icer	
		3E2094-2/6956	Wire Harness Assembly (2 Wire - 18.031"L - Molded End)	
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)	
	Hartzell PHC-C3YR-2	4E1188-3	Dual Element Prop De-Icer	
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)	
		3E2042-1	Modular Brush Block Assembly	
		4E1924-1	Slip Ring Assembly	
		4E2271-10	Hotprop® Prop De-Icer	
		3E2094-1/6955	Wire Harness Assembly (2 Wire - 14.969"L - Molded End)	
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)	
	Hartzell CHC-C2YF-2C	4E1601-7	Dual Element Prop De-Icer	
		4E1967-5/6966	Wire Harness (3 Wire - 18"L)	
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)	
		3E2042-1	Modular Brush Block Assembly	
		4E1923-1	Slip Ring & Holder Assembly	
		4E2271-10	Hotprop® Prop De-Icer	
		3E2094-2/6956	Wire Harness Assembly (2 Wire - 18.031"L - Molded End)	
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)	
	B55, E55	Hartzell PHC-C3YF-2	4E1601-7	Dual Element Prop De-Icer
			4E1967-4/6965	Wire Harness Assembly (2 Wire - 14.969"L - Molded End)



## Prop De-icers and Hardware Kits

BEECH (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
B55, E55	Hartzell PHC-C3YF-2	3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1924-1	Slip Ring Assembly
		4E2271-10	Hotprop® Prop De-Icer
		3E2094-1/6955	Wire Harness Assembly (2 Wire - 14.969"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
B55,E55 no air conditioning	Hartzell BHC-C2YF-2C	4E2271-10	Hotprop® Prop De-Icer
		3E2050-2/6961	Wire Harness Assembly (2 Wire - 17.062"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2062-2	Modular Brush Assembly
		4E2440	Slip Ring Assembly
	Hartzell PHC-C3YF	4E2271-10	Hotprop® Prop De-Icer
		3E2050/6960	Wire Harness Assembly (2 Wire - 14"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2062-2	Modular Brush Assembly
		4E2446	Slip Ring Assembly
C55	McCauley 2AF36C39/2AF34/ C55	4E1188-3	Dual Element Prop De-Icer
		3E1150-12	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1/3E2042-2	Modular Brush Block Assembly
		4E1494	Slip Ring Assembly
E55,58	Hartzell PHC-J3YF-2	4E2271-10	Hotprop® Prop De-Icer
		3E2050/6960	Wire Harness Assembly (2 Wire - 14"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2071	Modular Brush Assembly
		4E2375-1/4E2377-1	Slip Ring Assembly
	Hartzell BHC-J2YF-2	4E2271-10	Hotprop® Prop De-Icer
		3E2050-2/6961	Wire Harness Assembly (2 Wire - 17.062"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2071	Modular Brush Assembly
		4E2371/4E2373	Slip Ring Assembly
56TC,60	Hartzell HC-F3YR-2	4E1188-3	Dual Element Prop De-Icer

## Prop De-icers and Hardware Kits

BEECH (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
56TC, 60	Hartzell HC-F3YR-2	3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1633	Mounting Plate & Brush Block Assembly
		4E1637-2	Starter Ring Gear Assembly
		4E2271-10	Hotprop® Prop De-Icer
		3E2094-1/6955	Wire Harness Assembly (2 Wire - 14.969"L - Molded End)
		3E1964-1	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
	Hartzell HC-F3YR-2	4E1601-7	Dual Element Prop De-Icer
		4E1967-4/6965	Wire Harness (3 Wire - 15"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1633	Mounting Plate & Brush Block Assembly
		4E1637-2	Starter Ring Gear Assembly
		4E2271-10	Hotprop® Prop De-Icer
		3E2094-1/6955	Wire Harness Assembly (2 Wire - 14.969"L - Molded End)
	58	Harzell HC-F2YR-2	4E1188-3
3E1150-10			Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
Hartzell HC-J2YF-2C		4E1633	Mounting Plate & Brush Block Assembly
		4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2046-1	Modular Brush Block Assembly
Hartzell PHC-3YF-2		4E1918-1	Slip Ring Assembly
		4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2046-1	Modular Brush Block Assembly
Hartzell BHC-J2YF-2C	4E1926-1	Slip Ring Assembly	
	4E1601-7/-10	Dual Element Prop De-Icer	
	4E1967-5/6966	Wire Harness (3 Wire - 18"L)	
	4E1967-3	Wire Harness (3 Wire - 18"L), for 4E1601-7	
	3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)	
	3E2046-3	Modular Brush Block Assembly	
	4E1918-1	Slip Ring Assembly Left and Right Prop Air Conditioning : Right Prop No Air Conditioning	
4E2087	Slip Ring Assembly Left Prop Air Conditioning		

## Prop De-icers and Hardware Kits

### BEECH (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION	
58	Hartzell BHC-J2YF-2C	4E1601-7/-10	Dual Element Prop De-Icer	
		4E1967-5/6966	Wire Harness (3 Wire - 18"L)	
		4E1967-3	Wire Harness (3 Wire - 18"L), for 4E1601-7	
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)	
		3E2046-3	Modular Brush Block Assembly	
		4E1918-1	Slip Ring Assembly Left and Right Prop Air Conditioning : Right Prop No Air Conditioning	
		4E2087	Slip Ring Assembly Left Prop Air Conditioning	
		4E2271-10	Hotprop® Prop De-Icer	
		3E2094-2/6956	Wire Harness Assembly (2 Wire - 18.031"L - Molded End)	
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)	
	Hartzell HC-J3YF-2UF	4E1601-7/-10	Dual Element Prop De-Icer	
		4E1967-4/6968	Wire Harness (3 Wires - 15"L)	
		4E1967-3	Wire Harness (3 Wire - 18"L), for 4E1601-7	
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)	
		3E2046-3	Modular Brush Block Assembly	
		4E1926-1	Slip Ring Assembly Left and Right Prop No Air Conditioning : Right Prop Air Conditioning	
		4E2155	Slip Ring Assembly Left Prop Air Conditioning	
		4E2271-10	Hotprop® Prop De-Icer	
		3E2094-1/6955	Wire Harness Assembly (2 Wire - 14.969"L - Molded End)	
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)	
	Hartzell PHC-J3YF-2UF	4E2271-13	Hotprop® Prop De-Icer	
		3E2050	Wire Harness (13.94"L)	
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)	
		3E2071	Modular Brush Assembly	
		4E3422-1/4E2377-1	Slip Ring Assembly	
	McCauley D3AF32C35	4E1188-3	Dual Element Prop De-Icer	
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)	
		3E2046-3	Modular Brush Block Assembly	
		4E1882-1	Slip Ring Assembly	
	60	Hartzell HC-F3YR-2	4E2271-10	Hotprop® Prop De-Icer
			3E2050/6960	Wire Harness Assembly (2 Wire - 14"L - Molded End)

## Prop De-icers and Hardware Kits

### BEECH (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
60	Hartzell HC-F3YR-2	3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2151	Brush Assembly
		5E1934	Slip Ring Assembly
65, 65-80, 65-A80-8800, 65-B80, 65-88, A65, 70	Hartzell HC-A3VK-2A	4E1188-4	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2046-1	Modular Brush Block Assembly
		5E1583-1	Slip Ring Assembly
65-90	Hartzell HC-B3TN-2	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1454	Slip Ring Assembly
		4E2200-10	Hotprop® Prop De-Icer
		3E2092-3/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
65-90,99,100	Hartzell HC-B3TN-3	4E1188-3/-4	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2044-1	Modular Brush Block Assembly
		4E1555-1	Slip Ring Assembly Left and Right Prop, No Target Screws
		4E1555-2	Slip Ring Assembly Left Prop Target Screws (master), used with 4E1555-3
		4E1555-3	Slip Ring Assembly Right Prop Target Screws (Slave), used with 4E1555-2
		4E2200-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
65-90, 99, 100, 200	Hartzell HC-B3TN-3	4E1188-5	Dual Element Prop De-Icer
		4E1889-2/7021	Wire Harness (3 Wire - 12.75"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2044-1	Modular Brush Block Assembly
		4E1555-1	Slip Ring Assembly Left and Right Prop, No Target Screws
		4E1555-2	Slip Ring Assembly Left Prop Target Screws (master), used with 4E1555-3
		4E1555-3	Slip Ring Assembly Right Prop Target Screws (Slave), used with 4E1555-2

## Prop De-icers and Hardware Kits

### BEECH (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
65-90, 99, 100, 200	Hartzell HC-B3TN-3	4E2200-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
90, 99, 200	Hartzell HC-B3TN-3	4E2200-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2090-1	Modular Brush Assembly
		4E2442-1	Slip Ring Assembly
B90, C90, C90A, E90, 65-A90, 100, A100, 200 series	Hartzell HC-D4N-3A	4E2271-10	Hotprop® Prop De-Icer
		3E2092-4/6834	Wire Harness Assembly (Two Wires - 17.625"L - Molded End)
		3E2090-1	Modular Brush Assembly
		4E2674-2	Slip Ring Assembly
C90A	Hartzell HC-E4N-3N	4E2271-10	Hotprop® Prop De-Icer
		3E2092-4	Wire Harness - Molded (Two Wires)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2090-1	Modular Brush Assembly
		4E2674-2	Slip Ring Assembly
F90,A100	Hartzell HC-B4TN-3	4E2200-10	Hotprop® Prop De-Icer
		3E2092-3/6952	Wire Harness Assembly (2 Wire - 14.312"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2090-1	Modular Brush Assembly
		4E2444-1	Slip Ring Assembly
	Hartzell HC-B4TN-3	4E1188-5	Dual Element Prop De-Icer
		4E1889-3/6959	Wire Harness (3 Wire - 12.406"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2044-1	Modular Brush Block Assembly
		4E1676-1	Slip Ring Assembly No Target Screws
		4E1676-2	Slip Ring Assembly Left Prop Target Screws
		4E1676-3	Slip Ring Assembly Right Prop Target Screws
		4E2200-10	Hotprop® Prop De-Icer
		3E2092-3/6952	Wire Harness Assembly (2 Wire - 14.312"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)

## Prop De-icers and Hardware Kits

BEECH (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION		
95	Hartzell	4E1188-1	Dual Element Prop De-Icer		
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)		
		4E1213	Brush Insert Assembly		
		4E1188-3	Dual Element Prop De-Icer		
		95-55, 95-A55, 95-B55	Hartzell HC-A3MVF-2B	3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
				4E1474	Slip Ring Assembly
95-C55, 95-C55A	McCauley 3AF32C75	4E1188-3	Dual Element Prop De-Icer		
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)		
		3E2042-1	Modular Brush Block Assembly		
		4E1474	Slip Ring Assembly		
B100	Hartzell HC-B4TN-5C/F	4E1188-5	Dual Element Prop De-Icer		
		4E1889-2/7021	Wire Harness (3 Wire - 12.75"L)		
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)		
		3E2042-1	Modular Brush Block Assembly		
		4E1933-5/-8	Slip Ring Assembly		
		4E1933-5/-8	Slip Ring Assembly Can Replace 4E1933-2/-3/-4/-5 and 4E1934 (Spacer Ring) Comb		
		4E2200-10	Hotprop® Prop De-Icer		
		3E2092-3/6952	Wire Harness Assembly (2 Wire - 14.312"L - Molded End)		
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)		
		4E2200-10	Hotprop® Prop De-Icer		
		3E2092-6/6954	Wire Harness Assembly (2 Wire - 13"L - Molded End)		
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)		
		3E2062-2	Modular Brush Assembly		
		4E2271-10	Hotprop® Prop De-Icer		
		200	Hartzell HC-E4N-3G	3E2092-4	Wire Harness Assembly - (2-Wire - 17.56"L - Molded End)
				3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
3E2090-1	Modular Brush Assembly				
4E2674-2	Slip Ring Assembly				

## Prop De-icers and Hardware Kits

### BEECH (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
300 T-6	Hartzell HC-E4A-2A	4E2271-14	Propeller De-Icer Assembly
		3E2360-5	Wire Harness (Molded - 2 Wire - 21.25"L - Plug End)
		3E2205-4	Prop De-Ice Timer (28 Vdc - 50A - 90 On / 90 Off - Immediate On)
		4E3196-1	Heavy Duty Brush Block Assembly
		4E4015-1	Slip Ring Assembly
300,350	Hartzell HC-B4MP-3	4E2575-7	Hotprop® Prop De-Icer
		3E2017-8/6951	Wire Harness (2 Wire - 17.187"L)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2090-1	Modular Brush Assembly
		4E2444-1	Slip Ring Assembly
		4E2575-10	Hotprop® Prop De-Icer
		3E2092-2	Wire Harness (2 Wire - 17.187"L)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2090-1	Modular Brush Assembly
1900	Hartzell HC-B4MP-3	4E2560-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2090-3/4E3197-1	Heavy Duty Brush Block Assembly
		4E2624-1/4E3099-1	Slip Ring Assembly
1900D	Hartzell HC-E4A-3	4E3400-1	Hotprop® Prop De-Icer
		3E2526-1	Wire Harness Assembly (2-Wire - 13.13"L)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2510-3/4E3196-1	Heavy Duty Brush Block Assembly
		4E2955-1/4E3094-1	Heavy Duty Slip Ring Assembly
		4E3017-1	Hotprop® Prop De-Icer
		3E2526-1	Wire Harness Assembly (2-Wire - 13.13"L)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2510-3/4E3196-1	Heavy Duty Brush Block Assembly
4E2955-1/4E3094-1	Heavy Duty Slip Ring Assembly		
65-88		4E1601-4	Dual Element Prop De-Icer
D18C, D18S, E18S-9700, C-45G, C-45H, TC-45G, TC-45H, TC-45J	Hartzell HC-B3TN-5C	6975-11	Quick Disconnect Prop De-Icer Kit



## Prop De-icers and Hardware Kits

### BEECH (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
T-34C T-34C	Hartzell HC-B3TN-3H	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
65-90, 65-A90, 65-A90-1, 65-A90-2, 65-A90-3, 65-A90-4	Hartzell HC-B3TN-3B/-3M/- 2B	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
B90,C90,E90,H90	Hartzell HC-B3TN-3B/-3M	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
F90	Hartzell HC-B4TN-3A/-3B	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
99,99A,A99,A99A	Hartzell HC-B3TN-3B	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
C99,100	Hartzell HC-B3TN-3B/-3M	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
A100, A100A, A100-1	Hartzell HC-B4TN-3/-3A	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, 200C, B200CT, B200T	Hartzell HC-B3TN-3G/-3N	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
B100	Hartzell HC-B4TN-5C/5F	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
JRB-6	Hartzell HC-B3TN-5C	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
65-90 series B90,C90,E90,F90,H90		4E2200-21	Hotprop® Prop De-Icer
		6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
200 series		4E2200-21	Hotprop® Prop De-Icer
		6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)



## Prop De-icers and Hardware Kits

### BERIEV

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
BE-32	Hartzell HC-E4P-3BX-1	4E3017-1	Hotprop® Prop De-Icer
		3E2526-1	Wire Harness Assembly (2-Wire - 13.13"L)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2090-1	Modular Brush Assembly
		4E2674-2	Slip Ring Assembly

### BRITISH AEROSPACE

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
HP.137MK.1	Hartzell HC-B3TN-3D	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)

### BRITTEN NORMAN

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
BN2T	Hartzell HC-C3YF-2CF	4E2271-10	Hotprop® Prop De-Icer
		3E2050/6960	Wire Harness Assembly (2 Wire - 14"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2062-2	Modular Brush Assembly
		4E2422	Slip Ring Assembly
	Hartzell HC-C2YK-2CUF	4E1188-4	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1562-2	Modified Brush & Mounting Plate Assembly
BN2T-4/4R	Hartzell HC-C3YF-5F	4E1673	Slip Ring Starter Ring Gear Assembly
		4E3101-1	Prop De-Icer
		3E2050	Wire Harness
		3E2205-12	Timer, Epd
		3E2062-2	Modular Brush Assembly
BN-2/2A, BN-2A Mark III	Hartzell HC-C2YK-2B	4E2422	Slip Ring Assembly
		4E1188-4	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1515-3	Mod. Brush & Mtg. Brack. Ass'Y
		4E1673	Slip Ring Starter Ring Gear Assembly
4E2200-4	Hotprop® Prop De-Icer		
3E1964-3/3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)		

## Prop De-icers and Hardware Kits

### BRITTEN NORMAN (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
BN-2/2A, BN-2A Mark III	Hartzell HC-C2YK-2B	4E1188-4	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1515-3	Mod. Brush & Mtg. Brack. Ass'Y
		4E1673	Slip Ring Starter Ring Gear Assembly
		4E2200-4	Hotprop® Prop De-Icer
		3E1964-3/3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
BN-2A	Hartzell HC-C2YK-2B	4E1188-4	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2046-1	Brush Block Assembly Right and Left Props No Air Conditioning: Right Prop Air Conditioning
		4E1908-1	Brush Block Assembly Left Prop Air Conditioning
		4E1673	Slip Ring Assembly Right and Left Prop No Air Conditioning: Right Prop Air conditioning
		5E1730	Slip Ring Assembly Left Prop Air Conditioning
		4E2200-4	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
C212	Hartzell HC-B3TN-5	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1526-1	Slip Ring Assembly
C212-100	Hartzell HC-B4TN-5EL	4E1601-5	Dual Element Prop De-Icer
		4E1889-2/7021	De-Icer Wire Harness (3 Wire - 12.75"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1964-1	Slip Ring Assembly
		4E1964-2	Can Replace 4E1964-1/4E1934 (Spacer Ring) Combo
C212-200	Hartzell HC-B4MN-5AL	4E2336-10/-12	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2062-2	Modular Brush Assembly
		4E2350-1	Slip Ring Assembly

## Prop De-icers and Hardware Kits

### CESSNA

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
TR-182	McCauley B2D34C214	4E2200-3	Hotprop® Prop De-Icer
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
		3E2071	Modular Brush Assembly
		5E1857-1	Slip Ring Assembly
206H, T206H, TU206G, U206G	Hartzel HC-C3YN-5A	4E2271-10	Hotprop® Prop De-Icer
		3E2050/6960	Wire Harness Assembly (2 Wire - 14"L - Molded End)
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
		3E2062-2	Modular Brush Assembly
		4E2761-1	Slip Ring Assembly
208	Hartzell HC-B3MN-3 Hartzel HC-B3TN-3AF/3AFY	4E2336-12	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E2205-4	Prop De-Ice Timer (28 Vdc - 50A - 90 On / 90 Off - Immediate On)
		3E2090-1	Modular Brush Assembly
		4E2551-1	Slip Ring Assembly
		4E2560-10	Hotprop® Prop De-Icer
		3E2092-2	Wire Harness Assembly - (2-Wire - 14.56"L - Molded End)
		3E2090-1	Modular Brush Assembly
		4E2551-1	Slip Ring Assembly
208, 208A, 208B	Hartzell HC-B3MN-3	4E2560-10	Hotprop® Prop De-Icer
		3E2092-2	Wire Harness Assembly - (2-Wire - 14.56"L - Molded End)
		3E2205-4	Prop De-Ice Timer (28 Vdc - 50A - 90 On / 90 Off - Immediate On)
		4E2551-1	Slip Ring Assembly
	Hartzell HC-D4N-3R	4E2560-10	Hotprop® Prop De-Icer
		3E2092-2	Wire Harness Assembly - (2-Wire - 14.56"L - Molded End)
		3E2205-4	Prop De-Ice Timer (28 Vdc - 50A - 90 On / 90 Off - Immediate On)
		3E2090-1	Modular Brush Assembly
		4E2674-2	Slip Ring Assembly
		4E1214-3	Dual Element Prop De-Icer
210	McCauley E3A34C70	3E1964-1	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
		3E2042-1	Modular Brush Block Assembly
		4E1708	Slip Ring Assembly

## Prop De-icers and Hardware Kits

### CESSNA (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
210	McCauley D3A32C88	4E1214-3	Dual Element Prop De-Icer
		3E1964-1	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
		3E2042-1	Modular Brush Block Assembly
		4E1706	Slip Ring Assembly
	McCauley E2A34C70	4E1188-2	Dual Element Prop De-Icer
		3E1964-1	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
		3E2042-1	Modular Brush Block Assembly
		4E1708	Slip Ring Assembly
	McCauley D3A32C88	4E1188-2	Dual Element Prop De-Icer
		3E1964-1	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
		3E2042-1	Modular Brush Block Assembly
		4E1706	Slip Ring Assembly
210K, 210L, 210M, 210N	Hartzell PHC-J3YF-1RF	4E1188-7	Dual Element Prop De-Icer
		3E2205-1	Timer, Epd
		3E2042-2	Modular Brush Block Assembly
		4E2459-2	Slip Ring Assembly
P210N	Hartzell HC-B3TF-7A	4E3048-10	Prop De-Icer Thermal Efficient
		3E2507-1	Wire Harness Assembly (2-Wire - 12.76"L - Molded End)
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
		3E2062-2	Modular Brush Assembly
		4E2714-1	Slip Ring Assembly
310	Hartzell PHC-C3YF-2UF	4E1601-10	Dual Element Prop De-Icer (Left Rotation)
		4E1967-3	Wire Harness (3 Wires - 13.94"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1924-1	Slip Ring Assembly
	Hartzell PHC-J3YF-2UF	4E1601-10	Dual Element Prop De-Icer (Left Rotation)
		4E1967-3	Wire Harness (3 Wires - 13.94"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-2	Modular Brush Block Assembly
		4E2459-2	Slip Ring Assembly
310 Thru 310H, 320	Hartzell HC-A2XF(VF/MVF)-2	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1294	Brush Block
		4E1295-2	Slip Ring Assembly

## Prop De-icers and Hardware Kits

### CESSNA (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
T310P, T310Q, T310R, 320D, 320E, 320F, 340, 340A, 402C, 414, 414A	Hartzell PHC-C3YF-2UF	4E1601-14	Dual Element Prop De-Icer
		4E1967-3	Wire Harness (3 Wires - 13.94"L)
336, 337	McCauley D2AF34C300/301/59	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1575	Slip Ring Assembly Not Used With C300 Series Z Prop
		4E1974	Slip Ring Assembly C300 Series Z Prop
340, 340A	McCauley 3AF32C93	4E1601-10	Dual Element Prop De-Icer ( Left Rotation)
		4E1967-3/6964	Wire Harness Assembly (3 Wire - 14"L - Molded End)
	Hartzell PHC-C3YF-2UF	4E1601-10	Dual Element Prop De-Icer ( Left Rotation)
		4E1967-3/6964	Wire Harness Assembly (3 Wire - 14"L - Molded End)
402	Hartzell HC-B3TF-7	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1489	Slip Ring & Holder Assembly
		4E2200-10	Hotprop® Prop De-Icer
		3E2092-3/6952	Wire Harness Assembly (2 Wire - 14.312"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
421C	Hartzell PHC-C3YN-2UF	4E1601-14	Dual Element Prop De-Icer
		4E1967-3	Wire Harness (3 Wires - 13.94"L)
425	Hartzell HC-B3TN-3	4E1188-6	Dual Element Prop De-Icer
		4E1889-7/6995	De-Icer Wire Harness (3 Wire - 14.062"L)
		3E1964-2	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2044-1	Modular Brush Block Assembly
		4E1555-1	Slip Ring Assembly

## Prop De-icers and Hardware Kits

### CESSNA (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
441	Hartzell HC-B3TN-5E/M	4E1188-6	Dual Element Prop De-Icer
		4E1889-2/7021	Wire Harness (3 Wire - 12.75"L)
		3E1964-2	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2044-2	Modular Brush Block Assembly
		4E1614-2	Slip Ring Assembly
		4E1614-3	Slip Ring Assembly Can Replace 4E1614-2/4E1689-3 (Spacer Ring) Combo
	Hartzell HC-E4N-5	4E2271-10	Hotprop® Prop De-Icer
		3E2092-4	Wire Harness Assembly - (2-Wire - 17.56"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2090-2	Modular Brush Assy
		4E2674-1	Slip Ring Assembly
	Hartzell HC-B4TN-3	4E1188-5	Dual Element Prop De-Icer
		4E1889-2/7021	De-Icer Wire Harness (3 Wire - 12.75"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2044-1	Modular Brush Block Assembly
			4E1676-1

### CZECH TURBOLET

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
L-410	Hartzell HC-B3TN-3D	4E1188-5/5735	Dual Element Prop De-Icer
		4E1889-2/7021	De-Icer Wire Harness (3 Wire - 12.75"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2044-1	Modular Brush Block Assembly
		4E1555-1	Slip Ring Assembly

### DEHAVILLAND

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
DHC-4	Hartzell HC-B5MA-3A	4E3101-7	Prop De-Icer
		3E2017-10	Wire Harness (2-Wire - 10.12"L)
		4E2835-4	Timer/Monitor, Epd
		3E2090-2	Modular Brush Assy
		4E2863	Slip Ring Assembly
DHC-6	Hartzell HC-B3TN-3	4E1188-5	Dual Element Prop De-Icer
		4E1889-2/7021	De-Icer Wire Harness (3 Wire - 12.75"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)

## Prop De-icers and Hardware Kits

### DEHAVILLAND

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
DHC-6	Hartzell HC-B3TN-3	4E2360-2	Modular Brush Assembly W/ Receptacle
		4E1555-1	Slip Ring Assembly
DHC-6-300	Hartzell HC-D4N-3A	4E2271-10	Hotprop® Prop De-Icer
		3E2383-4	Wire Harness (Molded - 2 Wire - 17.56"L - Plug End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2090-2	Modular Brush Assy
		4E2674-1	Slip Ring Assembly

### DORNIER

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
DO128-6	Hartzell HC-B3TN-3D	4E1188-5	Dual Element Prop De-Icer
		4E1889-2/7021	De-Icer Wire Harness (3 Wire - 12.75"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2044-1	Modular Brush Block Assembly
		4E1555-2	Slip Ring Assembly (Master Unit) Left Prop
		4E1555-3	Slip Ring Assembly (Master Unit) Right Prop
DO228	Hartzell HC-B4TN-5HL/ML	4E2598-10	Hotprop® Prop De-Icer
		4E2369-1/6987	Wire Harness (3 Wire With Connector - 12.93"L)
		3E1964-1/-5	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
		3E2042-1	Modular Brush Block Assembly
		4E1964-4	Slip Ring Assembly
DO328	Hartzell HD-E6-3	5E2606-1 (Superseded 5E2446-7)	Deicer, Propeller
		3E2515-2	Modular Brush Block Assembly (Replaced By 3E2515)
		5E2532	Slip Ring Assembly

### DOUGLAS

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
DC-3A, DC-3C	Hartzell HC-B5MA-3J	4E2595-7	Hotprop® Prop De-Icer
		3E2017-10	Wire Harness (2-Wire - 10.12"L)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2090-1	Modular Brush Assembly
		4E2863	Slip Ring Assembly

## Prop De-icers and Hardware Kits

### DOUGLAS (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
DC-3C	Hartzell HC-B5MA-3	4E2595-7	Hotprop® Prop De-Icer
		3E2017-10	Wire Harness (2-Wire - 10.12"L)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2090-2	Modular Brush Assy
		4E2863	Slip Ring Assembly

### EMBRAER

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
EMB110	Hartzell HC-B3TN-3	4E1188-6	Dual Element Prop De-Icer
		4E1889-2/7021	Wire Harness (3 Wire - 12.75"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2044-1	Modular Brush Block Assembly
		4E1555-1	Slip Ring Assembly
		4E2200-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
EMB121	Hartzell HC-B4TN-3	4E1188-5	Dual Element Prop De-Icer
		4E1889-3/6959	Wire Harness (3 Wire - 12.406"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2044-1	Modular Brush Block Assembly
		4E1676-2	Slip Ring Assembly (Master Unit) Left Prop,
		4E1676-4	Slip Ring Assembly (Master Unit) Right Prop
312	Hartzell HC-D4N-5C	4E2271-10	Hotprop® Prop De-Icer
		3E2383-7	Wire Harness Assembly (Molded, 2 Wire, Plug End, Shrink Tubing)
		3E2311-1	Timer / Monitor
		3E2044-3	Brush Block Assembly
		4E2661-1	Slip Ring Assembly
312A	Hartzell HC-B3TN-3	4E1188-6	Dual Element Prop De-Icer
		4E1889-2	Wire Harness Assembly
		3E1964-1	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
		3E2044-1	Modular Brush Block Assembly
		4E1555-1	Slip Ring Assembly



## Prop De-icers and Hardware Kits

### EMBRAER (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
312A, 312F	Hartzell HC-B3TN-3	4E2200-10	Hotprop® Prop De-Icer
		3E2092-2	Wire Harness Assembly - (2-Wire - 14.56"L - Molded End)
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
		3E2090-1	Modular Brush Assembly
		4E2442-1	Slip Ring Assembly
314 ALX	Hartzell HC-B5MA-2	4E3064-1	De-Icer, Propeller
		4E1889-9	Wire Harness Assembly, De-Icer
		3E2311-6	Timer Monitor, 3E2311-6
		3E2342-2	Brush Block Assy, Modular, Constant Force
EMB-110P1, EMB-110P2	Hartzell HC-B3TN-3C/-3D	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
EMB 110 series		4E2200-21	Hotprop® Prop De-Icer
		6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)

### EVANGEL

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
4500-300	Hartzell HC-C2YK	4E1214-4	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2046-1	Modular Brush Block Assembly
		4E1673	Slip Ring Starter Ring Gear Assembly

### FAIRCHILD

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
SA26-T, SA26-AT, SA226-T, SA226-AT, SA226-TC	Hartzell HC-B3TN-5C	4E1188-4	Dual Element Prop De-Icer
		3E1964-1	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
		3E2042-1	Modular Brush Block Assembly
		4E1526-4	Slip Ring Assembly
		4E2200-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
	3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)	
	Hartzell HC-B3TN-3	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2044-1	Modular Brush Block Assembly

## Prop De-icers and Hardware Kits

### FAIRCHILD (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
SA26-T, SA26-AT, SA226-T, SA226-AT, SA226-TC	Hartzell HC-B3TN-3	4E1555-1	Slip Ring Assembly
		4E1188-4	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2044-1	Modular Brush Block Assembly
		4E1555-1	Slip Ring Assembly
	Hartzell HC-B3TN-5	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1526-1	Slip Ring Assembly
		4E1188-4	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1526-1	Slip Ring Assembly
	SA226-T, SA226-AT, SA226-TC	Hartzell HC-B3TN-5C	4E1188-6
4E1889-2			Wire Harness Assembly (3-Wire - 12.76"L)
3E1964-1			Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
3E2042-1			Modular Brush Block Assembly
4E1526-1			Slip Ring Assembly
4E1526-1/-4			Slip Ring Assembly Can Replace 4E1526-1/4E1689 (Spacer Ring) Combo
4E2200-10			Hotprop® Prop De-Icer
3E2092-2/6887			Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
SA226-T(B), SA227-AC, SA227-AT, SA227-TT	Hartzell HC-B4TN-5EL	4E1601-5	Dual Element Prop De-Icer
		4E1889-2/7021	Wire Harness (3 Wire - 12.75"L)
		3E1964-1	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
		3E2042-1	Modular Brush Block Assembly
		4E1964-1	Slip Ring Assembly
		4E1964-3	Slip Ring Assembly Can Replace 4E1964-1/4E1934 (Spacer Ring) Combo
		4E2271-10	Hotprop® Prop De-Icer
		3E2092-2/6952	Wire Harness Assembly (2 Wire - 14.312"L - Molded End)
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
		4E1601-10	Dual Element Prop De-Icer ( Left Rotation)
		4E2369-1/6987	Wire Harness Assembly (3-Wire - 13.31"L - Molded End)

## Prop De-icers and Hardware Kits

### FAIRCHILD (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
SA226-T(B), SA227-AC, SA227-AT, SA227-TT	Hartzell HC-B4TN-5EL	3E1964-1	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
		3E2042-1	Modular Brush Block Assembly
		4E1964-1	Slip Ring Assembly
		4E1964-3	Slip Ring Assembly Can Replace 4E1964-1/4E1934 (Spacer Ring) Combo
		4E1601-10	Dual Element Prop De-Icer ( Left Rotation)
SA226-TC	Hartzell HC-E4N-5D	4E2369-5	Wire Harness (3 Wire With Connector - 17.56"L)
		3E1964-1	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
		3E2044-3	Brush Block Assemblies - Modular
		4E2661-1	Slip Ring Assembly
		4E2598-10/6885	Dual Element Prop De-Icer
SA227-AT S/N 423-549, SA227-AC S/N 420-545, SA227-TT S/N 421-541	Dowty RotoI R321 & R324	4E2369-2/6941	Wire Harness Assembly (3 Wire - 13.25"L - Molded End)
		3E1964-4	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
		3E2042-1	Modular Brush Block Assembly
		4E2438-1	Slip Ring Assembly
		4E2762-10	Hotprop® Prop De-Icer
SA227-AT, SA227-AC, SA227-TT S/N 420 thru 632 Post Fairchild SB-30-004	Dowty RotoI R321 & R324	4E2369-2/6941	Wire Harness Assembly (3 Wire - 13.25"L - Molded End)
		3E2205-6	Timer, Epd
		4E2438-2	Slip Ring Assembly
		6975-11	Quick Disconnect Prop De-Icer Kit
SA226-AT, SA226-T	Hartzell HC-B3TN-5	6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
		6975-11	Quick Disconnect Prop De-Icer Kit
SA226-TC	Hartzell HC-B3TN-5	6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
		6975-11	Quick Disconnect Prop De-Icer Kit
	Hartzell HC-B4TN-5	6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
		6975-11	Quick Disconnect Prop De-Icer Kit
SA226-AT, SA226-T, SA226-TC		4E2200-10	Hotprop® Prop De-Icer
		6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)

### GOVERNMENT AIRCRAFT FACTORIES

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
N-22B Nomad	Hartzell HC-A3VF-7	4E1188-5	Dual Element Prop De-Icer
		4E1889-2/7021	De-Icer Wire Harness (3 Wire - 12.75"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)

## Prop De-icers and Hardware Kits

### GOVERNMENT AIRCRAFT FACTORIES (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
N-22B Nomad	Hartzell HC-A3VF-7	3E2042-1	Modular Brush Block Assembly
		4E1948-1	Slip Ring Assembly

### GRUMMAN

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
S-2	Hartzell HC-E5B-5	5E2429-1	Propeller De-Icer
		3E2493-1	Subassy. Wire Harness
		3E2205-9	Timer, Epd
		3E2457-2	Modular Brush Block Assembly
		4E3000-1	Slip Ring Assembly/5-Way Hub

### HANDLEY PAGE

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
137 MK.1	Hartzell HC-B3TN-3D	4E1188-5	Dual Element Prop De-Icer
		4E1889-2/7021	De-Icer Wire Harness (3 Wire - 12.75"L)
			Prop De-Ice Timer (14/28 VDC - 34A - 2 Outputs - 34
		3E1964-1	Sec - Manual Step)
		3E2044-1	Modular Brush Block Assembly
		4E1555-2/-3	Slip Ring Assembly (Master Unit)/ -2 Left Prop, -3 Right Prop

### HARBIN

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
Y-11B	Hartzell PHC-C3YF-2KUF	4E2271-10	Hotprop® Prop De-Icer
		3E2050	Wire Harness
		3E2205-3	Timer, Epd
		3E2414-3	Modular Brush Block Assembly
		4E2422	Slip Ring Assembly
Y-12	Hartzell HC-B3TN-3B	4E1188-5	Dual Element Prop De-Icer
		4E1889-2/7021	De-Icer Wire Harness (3 Wire - 12.75"L)
			Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs
		3E1150-10	- 34 Sec)
		3E2044-1	Modular Brush Block Assembly
	4E1555-1	Slip Ring Assembly	

### ISRAEL AIRCRAFT INDUSTRIES

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
101	Hartzell HC-B3TN-3D	4E1188-5	Dual Element Prop De-Icer
		4E1889-2/7021	De-Icer Wire Harness (3 Wire - 12.75"L)

## Prop De-icers and Hardware Kits

### ISRAEL AIRCRAFT INDUSTRIES (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
101	Hartzell HC-B3TN-3D	3E1964-1	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
		3E2044-1	Modular Brush Block Assembly
		4E1555-1	Slip Ring Assembly

### KOREAN AEROSPACE INDUSTRIES

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
KT-1	Hartzell HC-B3TN-3C	4E2200-10	Hotprop® Prop De-Icer
		3E2092-2	Wire Harness Assembly - (2-Wire - 14.56"L - Molded End)
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
		3E2090-1	Modular Brush Assembly
		4E2442-1	Slip Ring Assembly

### MITSUBISHI

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
MU-2	Hartzell HC-B4TN-5L	4E1188-7	Dual Element Prop De-Icer
		4E1889-4/6871	De-Icer Wire Harness (3 Wire - 15.125"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E1405-2	Modular Brush & Mounting Bracket Assembly
		4E1964-2	Slip Ring Assembly
		4E2271-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
		Hartzell HC-B3TN-5	4E1188-3/-4
	3E1150-10		Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
	3E1405-2		Modular Brush & Mounting Bracket Assembly
	4E1526-1		Slip Ring Assembly
			Slip Ring Assembly Can Replace 4E1526-1/4E1689 (Spacer Ring) Combo
	4E1526-4		
	4E2200-10		Hotprop® Prop De-Icer
	3E2092-2/6887		Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
	3E1964-3		Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)

## Prop De-icers and Hardware Kits

### MITSUBISHI (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
MU-2	Hartzell HC-B3TN-5	4E1188-5	Dual Element Prop De-Icer
		4E1889-2/7021	De-Icer Wire Harness (3 Wire - 12.75"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E1405-2	Modular Brush & Mounting Bracket Assembly
		4E1526-1	Slip Ring Assembly
		4E1526-4	Slip Ring Assembly Can Replace 4E1526-1/4E1689 (Spacer Ring) Combo
		4E2200-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
201(M20J)	McCauley B2D34C214	4E2351-4	Hot Prop, 4E2351 Series
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2044-1	Modular Brush Block Assembly
		5E1914	Slip Ring
		4E2200-4	Hotprop® Prop De-Icer
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
		3E2090-2	Modular Brush Assy
		5E2169	Slip Ring
231	HO-V123	4E2351-3	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2042-1	Modular Brush Block Assembly
		4E2459	Slip Ring Assembly
252	Hartzell BHC-J2YF-1BF	4E2200-3	Hotprop® Prop De-Icer
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
		3E2062-2	Modular Brush Assembly
	McCauley 2A34C216	4E2200-3	Hotprop® Prop De-Icer
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
		3E2062-2	Modular Brush Assembly
M20K	Hartzell P HC-J2YF-1B	4E2351-3	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2042-1	Modular Brush Block Assembly
		4E2406	Slip Ring & Holder Assembly

## Prop De-icers and Hardware Kits

### MITSUBISHI (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
M20K	McCauley 2A34C216	4E2351-3	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2042-1	Modular Brush Block Assembly
		4E2406	Slip Ring & Holder Assembly
	Hartzell PHC-J3YF-1RF	4E2200-3	Hotprop® Prop De-Icer, 28 VDC
		4E2267-2	Slip Ring Assembly
		4E2351-3	Hotprop® Prop De-Icer, 14 VDC
			Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2042-1	Modular Brush Block Assembly
	4E2459-2	Slip Ring Assembly	

### PARTENAVIA

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
AP68TC	Hartzell HC-B3TF-7	4E2200-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2062-1	Modular Brush Assy.
		4E2468	Holder & Slip Ring Assembly
P68	Hartzell HC-C2YK2CUF	4E1188-4	Dual Element Prop De-Icer
			Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1639	Brush Block Assembly
	Hartzell HC-C3YK-2	5E1835-1	Slipring Gear Assy
		4E1188-4	Dual Element Prop De-Icer
			Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
P68TC	Hartzell HC-B3TF-7A	4E1639	Brush Block Assembly
		4E1673	Slip Ring Starter Ring Gear Assembly
		4E1188-10	Propeller De-Icer
			Wire Harness Assembly (3 Wire - 15.25"L - Molded End)
		4E2333-1/6957	Wire Harness Assembly (3 Wire - 15.25"L - Molded End)
			Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)		
3E2042-1	Modular Brush Block Assembly		
4E1948-1	Slip Ring Assembly		

## Prop De-icers and Hardware Kits

### PEZETEL RZESZOW

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
M28B	Hartzell HC-5BMP-3D	4E4048-10	Hot Prop Deicer
		4E2369-5	Wire Harness (3 Wire With Connector - 17.56"L)
		3E2205-14	Timer, Epd
		3E2044-1	Modular Brush Block Assembly
		4E1988-1	Slip Ring Assembly

### PILATUS

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
PC-6	Hartzell HC-B3TN-3	4E1188-5	Dual Element Prop De-Icer
		4E1889-2/7021	Wire Harness (3 Wire - 12.75"L)
		3E1964-1	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
		3E2044-1	Modular Brush Block Assembly
		4E1555-1	Slip Ring Assembly
		4E2200-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
PC-6/B1-H2, PC-6/B2-H2, PC-6B/B2-H4	Hartzell HC-D4N-3P	4E2271-10	Hotprop® Prop De-Icer
		3E2383-4	Wire Harness (Molded - 2 Wire - 17.56"L - Plug End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2044-2	Modular Brush Block Assembly
		4E2661-1	Slip Ring Assembly
PC-7	Hartzell HC-B3TN-3	4E2200-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
		3E2090-1	Modular Brush Assembly
		4E2442-1	Slip Ring Assembly
PC-7MK II, PC-9	Hartzell HC-D4N-2	4E2271-10	Hotprop® Prop De-Icer
		3E2092-4	Wire Harness Assembly - (2-Wire - 17.56"L - Molded End)
		3E2311-4	Prop De-Ice Timer/Monitor (28 Vdc - 8.0-12.0A - 2 Outputs)
		3E2044-2	Modular Brush Block Assembly
		4E2661-1	Slip Ring Assembly
		4E2661-4	Slip Ring Assembly Used With Vapor Drive Pulley
PC-9-TT	Hartzell HC-B5MA-3GX1	4E3064-1	De-Icer, Propeller
		4E1889-9	Wire Harness Assembly, De-Icer
		3E2311-6	Timer Monitor, 3E2311-6



## Prop De-icers and Hardware Kits

### PILATUS (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
PC-9-TT	Hartzell HC-B5MA-3GX1	3E2342-2	Brush Block Assy, Modular, Constant Force
		4E3060-1	Slip Ring Assembly
PC-12	Hartzell HC-E4A-3D	4E3051-10	Hotprop® Prop De-Icer
		3E2360-4	Wire Harness (Molded - 2 Wire - 20.25"L - Plug End)
		3E2042-4	Modular Brush Block Assembly
		4E3008-1	Slip Ring Assembly
PC-21	Hartzell HC-E5A-2X2	4E4072-1	Propeller De-Icer, 4E4072-1, Pilatus Pc-21
		3E2526-2	Wire Harness, Prop De-Icer
		4E3163-3	Prop De-Ice Controller (28Vdc - 35 Amp - 2 Outputs - 3 Modes - Oat Monitor)
		3E2457-4	Modular Brush Block Assy (Same As -2 , With 2E1709)
		4E4069-1	Slip Ring Assembly
PC-6/B-H2, PC-6/B1-H2, PC-6/C-H2, PC-6/C1-H2	Hartzell HC-B3TN-3C	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
PC-6/B-H2 & B1-H2, PC-6/C-H2 & C1-H2, PC-7		4E2200-21	QDS Prop
		6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)

### PIPER

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
PA-23	Hartzell HC-A3XK-2B/2C	4E1214-2	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1365-2	Slip Ring Assembly
PA-23-Navy UO-1	Hartzell HC-A2(M) VK-2	4E1188-1	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1240	Brush Block Assembly
PS-23,PA-23-160	Hartzell HC-A2XL-2	4E1214-1	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E2292-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
	Hartzell HC-C2YK-2	4E1214-1	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)

## Prop De-icers and Hardware Kits

### PIPER (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
PS-23, PA-23-160	Hartzell HC-C2YK-2	4E2292-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
PA-23, PA-E23-250	Hartzell HC-E2YK-2RB	4E1214-2	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1365-4	Slip Ring
		4E2292-2	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
PA-23-250	Hartzell HC-A3XK-2	4E1214-1	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1213	Brush Insert Assembly
		4E2292-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
	Hartzell HC-E2YR-2B	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1515-3	Mod. Brush & Mtg. Brack. Ass'Y
		4E1365-4	Slip Ring
		4E2200-3	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		PA-30, PA-39	Hartzell HC-C2YK-2
3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)		
4E1639	Brush Block Assembly		
4E1673	Slip Ring Starter Ring Gear Assembly		
PA-31 (Non-pressurized)	Hartzell HC-E2YR-2		
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2046-1	Modular Brush Block Assembly
		4E1673	Slip Ring Starter Ring Gear Assembly

## Prop De-icers and Hardware Kits

### PIPER (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION	
PA-31 (Non-pressurized)	Hartzell HC-E2YR-2	4E2271-10	Hotprop® Prop De-Icer	
		3E2094-1/6955	Wire Harness Assembly (2 Wire - 14.969"L - Molded End)	
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)	
	Hartzell BHC-3YR-2A	4E1188-3	Dual Element Prop De-Icer	
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)	
		3E2046-1	Modular Brush Block Assembly	
		5E1421	Slip Ring & Starter Gear Assembly	
		4E2271-10	Hotprop® Prop De-Icer	
		3E2094-1/6955	Wire Harness Assembly (2 Wire - 14.969"L - Molded End)	
	PA-31, PA-31-350	Hartzell HC-E3YR-2A (AF,ALF,ATF,ALTF)	3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
			4E1188-3	Dual Element Prop De-Icer, Normal Rotating Props
			3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
3E2046-1			Modular Brush Block Assembly	
5E1421			Slip Ring Assembly no AC	
5E1526-1			Slip Ring Assembly AC	
4E2271-10			Hotprop® Prop De-Icer, Normal Rotating Props	
3E2094-1/6955			Wire Harness Assembly (2 Wire - 14.969"L - Molded End)	
4E1601-3/6881			Prop De-Icer, Right Prop Counter Rotating	
4E1908-1			Brush Block Assembly	
5E1551-1			Slip Ring Assembly AC	
5E1549-1			Slip Ring Assembly no AC	
4E2200-10			Hotprop® Prop De-Icer, Right Prop Counter Rotating	
3E2094-1/6955			Wire Harness Assembly (2 Wire - 14.969"L - Molded End)	
PA-31 Series, PA31-325, PA31-350	Hartzell HC-C4YR-2	4E1601-7/-14	Dual Element Prop De-Icer, Normal Rotating Props	
		4E1967-1	Wire Harness for 4E1188-7 or 4E1601-7	
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)	
		4E1562-2	Modified Brush & Mounting Plate Assembly	
		4E1188-7/-14	Dual Element Prop De-Icer, Right Prop Counter Rotating	
		4E1967-3	Wire Harness for 4E1188-14 or 4E1601-14	
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)	
		4E1908-1	Brush Block Assembly	

## Prop De-icers and Hardware Kits

PIPER (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
PA-31P	Hartzell HC-C3YN-2L	4E1601-3	Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1731-1	Slip Ring Assembly
		4E2200-10	Hotprop® Prop De-Icer
		3E2094-3/6993	Wire Harness Assembly (2-Wire - 14.218"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
PA-31P-350	Hartzell HC-I3YR-2UF	4E2200-10 (RH)	Hotprop® Prop De-Icer
		3E2050/6960	Wire Harness Assembly (2 Wire - 14"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2071	Modular Brush Assembly
		5E2026	Slip Ring
		4E2271-10 (LH)	Hotprop® Prop De-Icer
		3E2050/6960	Wire Harness Assembly (2 Wire - 14"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		5E2027	Slip Ring Assembly
PA-31T, PA-31T1, PA-31T2, PA-42	Hartzell HC-B3TN-3B	4E1188-5	Dual Element Prop De-Icer
		4E1889-2/7021	De-Icer Wire Harness (3 Wire - 12.75"L)
		3E1150-10/-12	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2044-1	Modular Brush Block Assembly
		4E1555-1	Slip Ring Assembly
PA-31T, PA-31T1, PA31-T2	Hartzell HC-E4N-3N	4E1601-10	Dual Element Prop De-Icer ( Left Rotation)
		4E2369-4	Wire Harness (3 Wire With Connector - 17.75"L)
		3E1150-12	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2342-4	Brush Module Assembly (Constant Force)
		4E2661-1	Slip Ring Assembly
PA-31T1A, PA-31T2A, PA-31T3	Hartzell HC-B3TN-3B	4E2200-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E2090-1	Modular Brush Assembly
		4E2442-1	Slip Ring Assembly

## Prop De-icers and Hardware Kits

### PIPER (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
PA-32-260	Hartzell HC-C2YK-1B	4E1214-1	Dual Element Prop De-Icer
		3E1964-1	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 34 Sec - Manual Step)
		4E1213	Brush Insert Assembly
PA-32-300, PA-32-301	Hartzell HC-E2YR-1B	4E2351-3	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		4E1639	Brush Block Assembly
PA-32-301	Hartzell HC-E3YR-IRF	4E2351-3	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		4E1639	Brush Block Assembly
PA-34-200	Hartzell HC-C2YK-2	4E1214-2 (LH)	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1908-1	Brush Block Assembly
		4E1943-1	Slip Ring
		4E2303-10 (LH)	Hotprop® Prop De-Icer
		3E2094-1/6955	Wire Harness Assembly (2 Wire - 14.969"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		4E1895-2 (RH)	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1908-1	Brush Block Assembly
		5E1561-1	Slip Ring
		4E2292-10 (RH)	Hotprop® Prop De-Icer
		3E2094-1/6955	Wire Harness Assembly (2 Wire - 14.969"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
PA-34-200T	Hartzell BHC-C2YF-2CLKF	4E1188-10 (RH)	Propeller De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1923-3	Slip Ring & Holder Assembly
		4E1601-10 (LH)	Dual Element Prop De-Icer ( Left Rotation)
		4E1967-3	Wire Harness (3 Wires - 13.94"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1923-3	Slip Ring & Holder Assembly

## Prop De-icers and Hardware Kits

### PIPER (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION	
PA-34-200T, PA-34-220T	Hartzell BHC-C2YF-2CLKF	4E1214-10 (RH)	Dual Element Prop De-Icer	
		4E2235-3	Wire Harness Assembly (3 Wire - 18"L - Molded End)	
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)	
		3E2042-1	Modular Brush Block Assembly	
		4E2058	Slip Ring Mounting Plate	
		4E2292-10 (RH)	Hotprop® Prop De-Icer	
		3E2094-1/6955	Wire Harness Assembly (2 Wire - 14.969"L - Molded End)	
		4E1895-10 (LH)	Dual Element Prop De-Icer	
		4E1967-3/6964	Wire Harness Assembly (3 Wire - 14"L - Molded End)	
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)	
		3E2042-1	Modular Brush Block Assembly	
		4E2058	Slip Ring Mounting Plate	
		4E2303-10 (LH)	Hotprop® Prop De-Icer	
		3E2094-1/6955	Wire Harness Assembly (2 Wire - 14.969"L - Molded End)	
	McCauley 3AF34C502/503/508 /509		4E2292-10 (RH)	Hotprop® Prop De-Icer
			3E2092-5/6953	Wire Harness Assembly (2 Wire - 14"L - Molded End)
			3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
			3E2062-2	Modular Brush Assembly
			4E2362	Slip Ring Assembly
	McCauley 3AF34C502/503/508 /509		4E2303-10 (LH)	Hotprop® Prop De-Icer
			3E2092-5/6953	Wire Harness Assembly (2 Wire - 14"L - Molded End)
			3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
			3E2062-2	Modular Brush Assembly
			4E2362	Slip Ring Assembly
	Hartzell PHC-C3YF-2(L)KUF		4E2292-10 (RH)	Hotprop® Prop De-Icer
			3E2050/6960	Wire Harness Assembly (2 Wire - 14"L - Molded End)
			3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
			3E2062-2	Modular Brush Assembly
4E2303-10 (LH)			Hotprop® Prop De-Icer	
3E2050/6960			Wire Harness Assembly (2 Wire - 14"L - Molded End)	
3E1964-3			Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)	
3E2062-2	Modular Brush Assembly			

## Prop De-icers and Hardware Kits

### PIPER (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
PA-34-200T, PA-34-220T	McCauley 3AF34C503/502 (200T) & C508/509 (220T)	4E2271-10 (LH)	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2062-2	Modular Brush Assembly
		4E2362	Slip Ring Assembly
		4E2200-10 (RH)	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2062-2	Modular Brush Assembly
		4E2362	Slip Ring Assembly
PA-34-220T	McCauley 3AF32C522 (LH)/3AF32C523(RH)	4E2200-10 (RH)	Hotprop® Prop De-Icer
		3E2092-9	Wire Harness - Molded (Two Wires)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2062-2	Modular Brush Assembly
		4E3177	Slip Ring & Sleeve Assembly
		4E2271-10 (LH)	Hotprop® Prop De-Icer
		3E2092-9	Wire Harness - Molded (Two Wires)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
	Hartzell BHC-J2YF- 2CUF/2CLUF	3E2062-2	Modular Brush Assembly
		4E3177	Slip Ring & Sleeve Assembly
		4E2271-10 (LH)	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2062-2	Modular Brush Assembly
		4E3219	Slip Ring Assembly
		4E2200-10 (RH)	Hotprop® Prop De-Icer
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
PA-44-180	Hartzell HC-C2YR-2C/CL	4E2292-10 (RH)	Hotprop® Prop De-Icer
		3E2050/6960	Wire Harness Assembly (2 Wire - 14"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2090-1	Modular Brush Assembly
		5E1922	Slip Ring Assembly
		4E2303-10 (LH)	Hotprop® Prop De-Icer
		3E2050/6960	Wire Harness Assembly (2 Wire - 14"L - Molded End)



## Prop De-icers and Hardware Kits

### PIPER (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION		
PA-44-180	Hartzell HC-C2YR-2C/CL	3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)		
		3E2090-1	Modular Brush Assembly		
	Hartzell HC-C3YR-2-2L	4E2292-10 (RH)	Hotprop® Prop De-Icer		
		3E2050/6960	Wire Harness Assembly (2 Wire - 14"L - Molded End)		
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)		
		3E2090-1	Modular Brush Assembly		
		4E2303-10 (LH)	Hotprop® Prop De-Icer		
		3E2050/6960	Wire Harness Assembly (2 Wire - 14"L - Molded End)		
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)		
		3E2090-1	Modular Brush Assembly		
		PA-46 Turbo Meridian	Hartzell HC-B3TN-3ACX	4E3436-10	Propeller De-Icer
				3E2092-2	Wire Harness Assembly - (2-Wire - 14.56"L - Molded End)
	3E2090-1			Modular Brush Assembly	
	4E2442-1			Slip Ring Assembly	
PA-46-310P	Hartzell BHC-C2YF-1BF	4E2200-3	Hotprop® Prop De-Icer		
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)		
		3E2071	Modular Brush Assembly		
		4E2626	Slip Ring Assembly		
	Hartzell PHC-G3YF-1E	4E3997-1	Prop De-Icer		
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)		
		3E2071	Modular Brush Assembly		
		4E2626	Slip Ring Assembly		
		4E3997-1	Prop De-Icer		
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)		
		3E2071	Modular Brush Assembly		
		4E2626	Slip Ring Assembly		
		PA-46-310P, PA-46-350	Hartzell HC-I2YR-1BF	4E2200-3	Hotprop® Prop De-Icer
				3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
3E2071	Modular Brush Assembly				
5E2296-1	Slip Ring & Starter Ring Gear Assembly				
PA-46-310P, PA-46-350P	Hartzell HC-E4N-3I	4E1601-10	Dual Element Prop De-Icer ( Left Rotation)		
		4E2369-4	Wire Harness (3 Wire With Connector - 17.75"L)		
		3E1150-12	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)		



## Prop De-icers and Hardware Kits

### PIPER (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
PA-46-310P, PA-46-350P	Hartzell HC-E4N-3I	3E2044-2	Modular Brush Block Assembly
		4E2661-1	Slip Ring Assembly
	Hartzell HC-E4N-3M	4E3462-1	Prop De-Icer
		3E2526-1	Wire Harness Assembly (2-Wire - 13.13"L)
		3E1150-12	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2044-2	Modular Brush Block Assembly
		4E2661-1	Slip Ring Assembly
PA-46-350P	Hartzell HC-13YR-1E	4E3997-1	Prop De-Icer
		3E2071	Modular Brush Assembly
		5E2296-1	Slip Ring & Starter Ring Gear Assembly
		4E3997-1	Prop De-Icer
			Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
		3E2071	Modular Brush Assembly
		5E2296-1	Slip Ring & Starter Ring Gear Assembly
PA-46-500TP	Hartzell HC-E4N-3Q	4E1601-10	Dual Element Prop De-Icer ( Left Rotation)
		4E2369-6	Wire Harness (3 Wire With Connector - 16.75"L)
		3E2342-4/3E2044-2	Brush Module Assembly (Constant Force)
PA-60-700P	Hartzell HC-C3YR-2/2L	4E2271-10 (LH)	Hotprop® Prop De-Icer
			Wire Harness Assembly (2 Wire - 17.062"L - Molded End)
		3E2050-2/6961	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2071	Modular Brush Assembly
		5E2043	Slip Ring Assembly
		4E2200-10 (RH)	Hotprop® Prop De-Icer
			Wire Harness Assembly (2 Wire - 17.062"L - Molded End)
		3E2050-2/6961	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
P-400	Hartzell HC-D4P	3E2071	Modular Brush Assembly
		5E1919	Slip Ring Assembly
		4E2836-10 (RH)	Hotprop® Prop De-Icer
		3E2360-1	Wire Harness
		3E2205-8	Timer, Epd
		3E2044-2	Modular Brush Block Assembly
		4E2661-1	Slip Ring Assembly
		4E2837-10 (LH)	Hotprop® Prop De-Icer
		3E2360-1	Wire Harness
		3E2205-8	Timer, Epd
3E2044-2	Modular Brush Block Assembly		
4E2661-1	Slip Ring Assembly		

## Prop De-icers and Hardware Kits

### PIPER (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
PA34-200T		4E1214-7	Dual Element Prop De-Icer
		4E1895-7	Dual Element Prop De-Icer
PA-31T,PA-31T1	Hartzell HC-B3TN-3B	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
PA-42,PA-42-720	Hartzell HC-B3TN-3B/-3K	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
PA-31T, PA-31T1, PA-31T1A, PA-31T2A, PA-31T3, PA-31T-1040		4E2200-21	Hotprop® Prop De-Icer
		6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)

### REIMS

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
F406	Hartzell HC-E4N-3N or HC-D4N-3C	4E2271-12	Propeller De-Icer Assembly
		3E2092-4	Wire Harness Assembly - (2-Wire - 17.56"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2090-1	Modular Brush Assembly
		4E2674-2	Slip Ring Assembly

### SCHWEIZER

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
SA2-38A	Hartzell HC-C3YN-2LUF	4E2271-10	Hotprop® Prop De-Icer
		3E2530-1	Wire Harness
		3E1899-1	Prop De-Ice Timer (14/28 Vdc - 34A - 90 On/90 Off - Immediate On)
		3E2062-2	Modular Brush Assembly

### SHORT BROTHERS

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
SC-7	Hartzell HC-B4TN-5EL	4E1601-5	Dual Element Prop De-Icer
		4E1889-2/7021	Wire Harness (3 Wire - 12.75"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1964-1	Slip Ring Assembly

## Prop De-icers and Hardware Kits

### SHORT BROTHERS

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
SC-7	Hartzell HC-B3TN-5	4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1188-3	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1526-1/-4	Slip Ring Assembly
		4E1188-6	Dual Element Prop De-Icer
		4E1889-2/7021	Wire Harness (3 Wire - 12.75"L)
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		3E2042-1	Modular Brush Block Assembly
		4E1526	Slip Ring Assembly
		4E1526-1	Slip Ring Assembly
		4E1526-4	Can Replace 4E1526, 4E1526-1/4E1689 (Spacer Ring) Combo
		4E1188-5	Dual Element Prop De-Icer
	4E1889-2/7021	Wire Harness (3 Wire - 12.75"L)	
	3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)	
	3E2042-1	Modular Brush Block Assembly	
	4E1933-1	Slip Ring Assembly	
	4E1933-6	Can Replace 4E1933-1/4E1934 (Spacer Ring) Combo	
	SD3-30	Hartzell HC-B5TN	4E1601-7
4E1889-4/6871			Wire Harness Assembly (3-Wire - 14.76"L)
3E1150-10			Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
3E2044-1			Modular Brush Block Assembly
4E1988-1			Slip Ring Assembly
4E2271-10			Hotprop® Prop De-Icer
3E2092-4/6834			Wire Harness Assembly (Two Wires - 17.625"L - Molded End)
3E1964-3			Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
SD3-60	Hartzell HC-B5MP-3C	4E2595-7	Hotprop® Prop De-Icer
		3E2017-4	Wire Harness (2-Wire - 8.88"L)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2090-1	Modular Brush Assembly
		4E2511	Slip Ring Assembly

## Prop De-icers and Hardware Kits

### SHORT BROTHERS (CONTINUED)

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
SD3-60	Hartzell HC-B5MP-3C	4E2595-10 (ALT)	Hotprop® Prop De-Icer
		3E2092-2	Wire Harness Assembly - (2-Wire - 14.56"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2090-1	Modular Brush Assembly
		4E2511	Slip Ring Assembly
SD3-60-300	Hartzell HC-A6A-3	4E2890-07	Hotprop® Prop De-Icer
		3E2475-1/-2	Wire Harness Assembly (2-Wire - 11.86"L - Molded End)
		4E2808-7	Timer/Monitor, Epd
		3E2334-1	Modular Brush Block Assembly
Tucano	Hartzell HC-D4N-5C	4E2271-10	Hotprop® Prop De-Icer
		3E2383-7	Wire Harness Assembly (Molded, 2 Wire, Plug End, Shrink Tubing)
		3E2311-1	Timer / Monitor
		3E2044-3	Brush Block Assemblies - Modular
		4E2661-1	Slip Ring Assembly
SC-7 Series 3 Variant 200	Hartzell HC-B3TN-5	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)
	Hartzell HC-B4TN-5	6975-11	Quick Disconnect Prop De-Icer Kit
		6976-11	Quick Disconnect Wire Harness Assembly (3-Wire - 14.05"L)

### SIAI-MARCHETTI

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
S.210	Hartzell HC-C2YR-2B	4E1188-4	Dual Element Prop De-Icer
		3E1150-10	Prop De-Ice Timer (14/28 Vdc - 34 Amp - 4 Outputs - 34 Sec)
		4E1639	Brush Block Assembly
		4E1673	Slip Ring Starter Ring Gear Assembly
SF600TP	Hartzell HC-B3TF-7A	4E2824-10	Hotprop® Prop De-Icer
		3E2092-2/6887	Wire Harness Assembly (3 Wire - 14.75"L - Molded End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2062-2	Modular Brush Assembly
		4E2714-1	Slip Ring Assembly

## Prop De-icers and Hardware Kits

### SOCATA

AIRCRAFT MODEL	BLADE	PART NUMBER	DESCRIPTION
TBM-700	Hartzell HC-4N-3	4E2271-10	Hotprop® Prop De-Icer
		3E2383-4	Wire Harness (Molded - 2 Wire - 17.56"L - Plug End)
		3E1964-3	Prop De-Ice Timer (14/28 Vdc - 34A - 2 Outputs - 20 Sec - Manual Step)
		3E2044-4	Brush Block Assemblies - Modular
		4E2661-1	Slip Ring Assembly