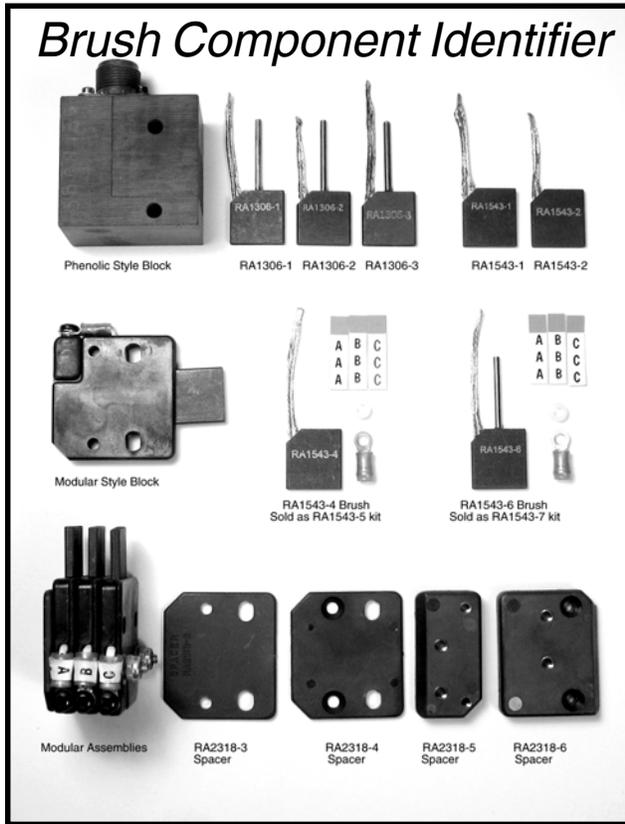




Brush Component Identifier



Replacements for BFG Style brush blocks: To convert BFG to Rapco part number, drop prefix and add RA plus 100 to part number

Brush Block Assy	Qty	Brush	Location
4E1294	3	RA1306-3	All
4E1311-1	2	RA1306-1	Top & Bottom
	1	RA1306-2	Middle
4E1311-2	2	RA1543-1	Top & Bottom
	1	RA1543-2	Middle
4E1311-3	2	RA1543-1	Top & Bottom
	1	RA1543-2	Middle
4E1350-1	3	RA1306-1	All
4E1350-2	3	RA1306-1	All
4E1350-3	3	RA1306-2	All
4E1350-4	3	RA1543-2	All
4E1350-5	3	RA1543-2	All
4E1350-6	2	RA1543-2	Top & Bottom
	1	RA1543-1	Middle
4E1387-1	2	RA1306-1	Top & Bottom
	1	RA1306-2	Middle
4E1387-2	2	RA1306-1	Top & Bottom
	1	RA1306-2	Middle
4E1387-3, 4E1387-5	2	RA1543-1	Top & Bottom
	1	RA1543-2	Middle
4E1387-4, 4E1387-6	2	RA1543-1	Top & Bottom
	1	RA1543-2	Middle
4E1560-2	3	RA1306-3	All
4E1639	2	RA1543-1	Top & Bottom
	1	RA1543-2	Middle
4E1749-2	2	RA1543-1	Both
4E1908-1	3	RA1543-1	All

DEICE

Subject: How to measure brush wear in Modular Assembly

Insert a 3/32 inch drill bit into the back of the RA2111U Universal module (as shown) and mark the depth on the drill.

Note: Make sure module is still installed, or that the Brush is protruding from module at the same distance as it would be installed on the slip ring (Approx. 1/16 Inch). Using a dial caliper measure the length of insertion (Dim. "D").

Module Type

Rodded Module:

Brush # RA1543-6

UnrodDED Module:

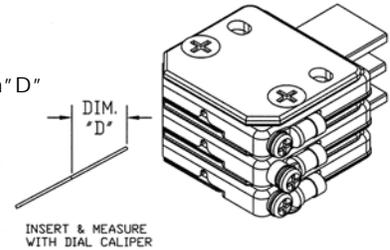
Brush # RA1543-4

Brush Min. Wear Dimension

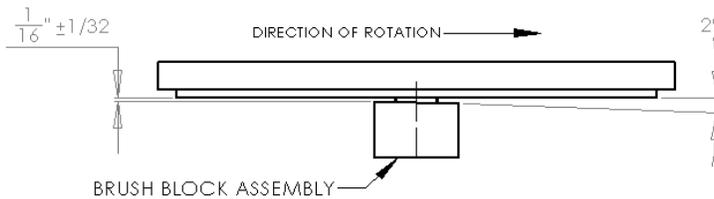
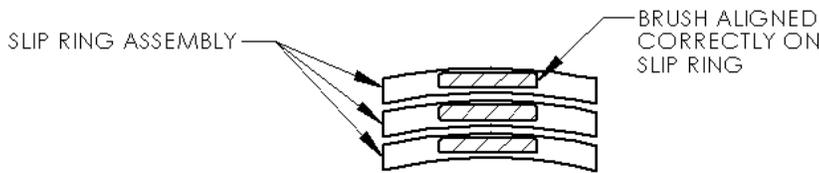
Dimension "D"

0.295 Inch

1.140 Inch



Propeller De-Ice Brush Alignment



CENTER BRUSHES ON SLIP RING
THE FULL THICKNESS OF EACH BRUSH FACE MUST CONTACT THE SLIP RING THROUGHOUT 360° ROTATION.

Before installing new de-ice brushes make sure the slip rings are clean and free of any oil. Check to see that the slip rings are smooth and have not separated from the potting material.

Proper brush alignment is important to prevent the brush from grounding and to maximize brush life.

1. Make sure that each carbon brush is adjusted so that it is centered on its respective slip ring.
2. The brush modular assembly should be positioned so that it sits at a 2 degree angle lagging the direction of rotation, and 1/16" away from the slip ring at its closest point.