Planning Information

**Background:**

**Affected Parts:**

2 layers of fiberglass 92110 are applied on the blade with 45° orientation up to 20 cm / 7.9 inch from the blade tip. 2 layers of carbonfiber 98140 (optional style 449, 450 or 43193) are applied on the blade with 45° orientation in the last 20 cm / 7.9 inch to the blade tip. NO glass fiber in this area!

**Attention:**
The transition from glass fiber to carbon fiber must be smooth and the blade core must be fully covered by overlapping. To ensure good overlapping the first layer of glass fiber must end 18 cm (7 inch) from the blade tip and the second layer must end 22 cm (8,7 inch) from blade tip. Respectively the first layer of carbon fiber starts 18 cm (7 inch) from the blade tip and the second layer 22 cm (8,7 inch) from the blade tip. By that an overlapping area of 4 cm (1,7 inch) is assured. Smooth down by sanding during painting.

**Work Procedure:**
The additional layers are applied according to procedures shown in the applicable MT-Propeller Overhaul Manuals

**Attention:**
During painting or application of the additional layers of composite only the transition areas (25mm/1inch) maybe smoothened down by grinding. If more of the composite material is smoothened down the additional protection is not given resulting in a earlier repair or overhaul of the blades stainless steel leading edge.

**Publications Affected:**

![Diagram of blade with layers](FIG. 1)

Overhaul Manuals: E-1290

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