REVISION		DENOTES REVISION
~	4/3/2014	ORIGINAL

1 - Use Instructions:

A. Apply firm even force with the scoring tool blades on the PTFE (black) side and push the tool in the desired score pattern.

B. The baffle seal may be scored in any pattern to achieve the desired flexibility. More complex patterns with tigher spacing generally yield greater flexibility.

- Parallel to bend, cross hatch, or diagonal patterns are suggested.
- Make your pattern follow the contours of the cowl and baffle seal for optimized flexibility.

C. Score material only where increased flexibility is desired.

- The baffle seal should remain stiff between the sheet metal baffle and the cowl.
- Added flexibility is most desirable against the cowl.

D. Ensure the score is not too deep by bending the Cowl Saver material and ensure the fiberglass reinforcement layer is not exposed or damaged. (Figure 1-D)

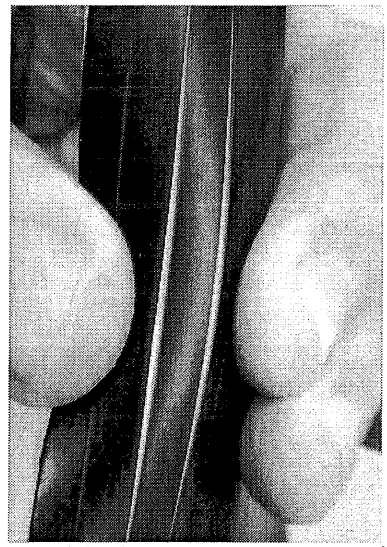

Figure 1-D: Inspecting Score Depth

E. If the scoring pass did not penetrate all the way through the PTFE layer, bend the baffle seal as shown in Figure 1-D and the PTFE layer will separate at the score line.

F. Scoring the seal material is more easily done on a work bench prior to installation. However, it may be done on an aircraft by placing a stiff backing material like a board behind the baffle seal and scoring. (See Figure 1-F)

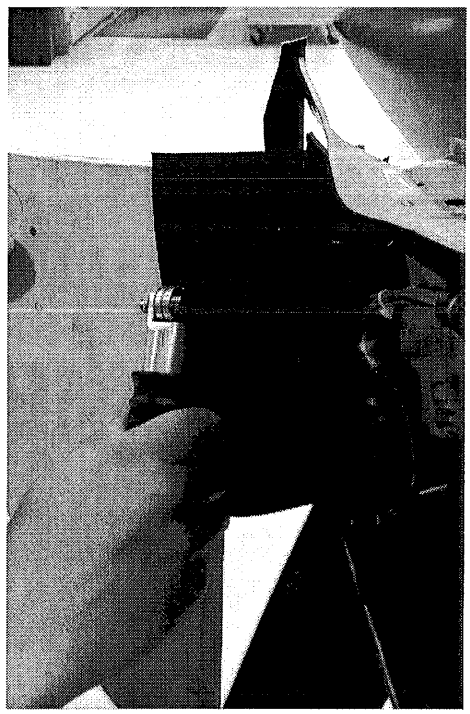

Figure 1-F: Scoring on Aircraft

2 - Blade Maintenance:

A. When blades become dull, rotate to a sharp area of the blade.

- Loosen shaft head with 5/16" box wrench until blades move freely.
- Rotate blades to sharp section.
- Tighten shaft head to approximately 30 in-lb

B. Replace worn blades with spares provided or p/n TOOL120-BKT

- TOOL120-BKT includes spacers as the blades and spacers are matched sets to achieve desired score depth.
- Follow instructions in 2.A for removing and replacing blades.

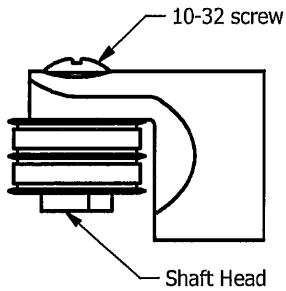

Figure 2: Blade Maintenance

PROJECT ENGINEER:	ENGINEERING MANAGER:	QUALITY MANAGER:	MANUFACTURING MANAGER:
DATE: 4/28/14	DATE: 4/28/14	DATE: 4-30-14	DATE:

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS INCHES
DO NOT SCALE FROM DRAWING
REMOVE ALL BURRS AND SHARP EDGES
() DENOTES REFERENCE ONLY, NOT RQRD FOR INSPECTION

DIMENSION TOLERANCE	
.XXX	±.005
.XX	±.010
.X	±.050
ANGLE	±3°
CONCENTRICITY	.005 F.I.M.

McFarlane

McFarlane Aviation, Inc.
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Title: INSTRUCTIONS, Cowl Saver Scoring Tool

Size:	Drawn:	Sheet:
A	GWS	1 of 1

Part Number:	Drawing Number:	REVISION
TOOL120 INST	TOOL120 INST	2