

No: 000218

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Send To: 902 LOWER WING KIT
902-S 902-S

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Subject: FITTING OF WING TIP
BOWS IN 902 AND 903
WING KITS

Some Eagle II builders have experienced difficulty aligning and fitting the 30608-001 and 30609-001 wing tip bows. A fitting problem may result from minor dimensional changes in the radius of a bow during storage. If a bow does not fit during 902 step I-6 (or 903 step K-7), correct the bow radius using the following bending procedure just prior to installation of the bows:

1. Draw a 19 inch radius semi-circle on a flat surface, such as a piece of plywood.
2. Align the inside edge of the bow on the 19 inch radius.
3. Note the direction of any discrepancy between the bow and the 19 inch radius (radius too large or too small).
4. Wrap either end of the bow with cloth or masking tape to protect the bow during the alignment adjustment.
5. Step on the wrapped end of the bow to hold the end against the floor. Then gently pull up or push down several times on the free end of the bow to flex it in the direction required for correction. The bow will take a set in the bend direction.

CAUTION

Excessive force can break the bow.
Do not bend the bow so that the tip
is moved more than 4 inches during
flexing.

6. Check the bow on the 19 inch radius reference piece.
7. If required, repeat steps 5 and 6.
8. When the bow radius is within 1/4 inch of the 19 inch radius, align, fit and secure the bow to the wing tip according to the 902 manual step I-6 (or 903 manual step K-7).

This procedure will be included in the next revision to product manuals of appropriate kits.