Spiderbeam 5-Band Yagi
Adjustment 20m Lengths

**Driven Element:**

To measure, undo the loop at the end, slide the insulator towards the middle and out of the way, and then pull the wire straight and measure as shown above.

(D.E. without feedline: A-2cm from end to bend inside of the insulator.)

Note: For clarity, the wires of the feedline are shown here as being separated. Normally they will be touching each other; do not separate them.

Original 20m Lengths, Manual Page 30:

<table>
<thead>
<tr>
<th>band</th>
<th>A</th>
<th>B</th>
<th>total</th>
</tr>
</thead>
<tbody>
<tr>
<td>20m</td>
<td>490 cm</td>
<td>37 cm</td>
<td>547 cm</td>
</tr>
</tbody>
</table>

**Note:** Final Measurements are made to the end of the wire, disregarding the Knot.

AFTER making sure all lengths are correct, fold the 15cm* wire stub beyond the knot into a small loop, secure with a wire tie, and slid the insulator towards the end of the wire element, against the knot.

*15cm is only for 20m; all other bands have 10cm of wire for the loop.
Spiderbeam 5-Band Yagi
Adjustment 20m Lengths

Reflector: (1020cm)

To measure, slide the insulators towards the middle and out of the way, and then measure as shown above.
- Original Cut Length (Manual Page 20)
- Tie Knot about 3cm from the end
- Each knot eats up 2cm of wire
- Cut 2cm of wire off of each end after tying the knot
- Overall Length is then 8cm less than Length A

Note: Final Measurements are made End-to-End, disregarding the Knots.

Parasitic Element Cut Lengths (Page 30 in the Manual):

<table>
<thead>
<tr>
<th>band</th>
<th>reflector</th>
<th>director 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>20m</td>
<td>1028 cm</td>
<td>959 cm</td>
</tr>
</tbody>
</table>

Director: (951cm)

To measure, slide the insulators towards the middle and out of the way, and then measure as shown above.
- Original Cut Length (Manual Page 20)
- Tie Knot about 3cm from the end
- Each knot eats up 2cm of wire
- Cut 2cm of wire off of each end after tying the knot
- Overall Length is then 8cm less than Length A

Note: Final Measurements are made End-to-End, disregarding the Knots.
Spiderbeam 5-Band Yagi
Adjustment 17m Lengths

Driven Element:

To measure, undo the loop at the end, slide the insulator towards the middle and out of the way, and then pull the wire straight and measure as shown above.

(D.E. without feedline: A-2cm from end to bend inside of the insulator.)

Note: For clarity, the wires of the feedline are shown here as being separated. Normally they will be touching each other; do not separate them.

Original 17m Lengths, Manual Page 30:

<table>
<thead>
<tr>
<th>band</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>total</th>
</tr>
</thead>
<tbody>
<tr>
<td>17m</td>
<td>360 cm</td>
<td>70 cm</td>
<td>20 cm</td>
<td>450 cm</td>
</tr>
</tbody>
</table>

Note: Final Measurements are made End-to-End, disregarding the Knots.

After making sure all lengths are correct, fold the 10 cm wire stub beyond the knot into a small loop, secure with a wire tie, and slide the insulator towards the end of the wire element, against the knot.

Reflector:

To measure, slide the insulators towards the middle and out of the way, and then measure as shown above.

- A = Original Cut Length
- Tie Knot about 3 cm from the end
- Each knot eats up 2 cm of wire
- Cut 2 cm of wire off of each end after tying the knot
- Overall Length is then 8 cm less than Length A

Note: Final Measurements are made End-to-End, disregarding the Knots.

Parasitic Element Cut Lengths (Page 30 in the Manual):

<table>
<thead>
<tr>
<th>band</th>
<th>reflector</th>
<th>director 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>17m</td>
<td>798 cm</td>
<td>- - -</td>
</tr>
</tbody>
</table>
Spiderbeam 5-Band Yagi
Adjustment 15m Lengths

**Driven Element:**
Construction Guide Page 30: Cut Length: 337 cm

THE DRIVEN ELEMENTS WITHOUT FEEDLINE LOOKS LIKE THIS:

![Driven Element Diagram]

To measure, undo the loop at the end, slide the insulator towards the middle and out of the way, and then measure as shown above.

Note: Final Measurement is made from solder lug to end of wire, disregarding the Knots.

Then fold the 10 cm after the Knot into a Loop, as shown.

**Reflector:**
Note: Final Measurements are made End-to-End, disregarding the Knots.

(675 cm)

To measure, slide the insulators towards the middle and out of the way, and then measure as shown above.

- Original Cut Length (Manual Page 20)
- Tie Knot about 3 cm from the end
- Each knot eats up 2 cm of wire
- Cut 2 cm of wire off of each end after tying the knot
- Overall Length is then 8 cm less than Length A

**Parasitic Element Cut Lengths (Page 30 in the Manual):**

<table>
<thead>
<tr>
<th>band</th>
<th>reflector</th>
<th>director 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>15m</td>
<td>683 cm</td>
<td>639 cm</td>
</tr>
</tbody>
</table>

**Director:**
Note: Final Measurements are made End-to-End, disregarding the Knots.

(631 cm)

To measure, slide the insulators towards the middle and out of the way, and then measure as shown above.

- Original Cut Length (Manual Page 20)
- Tie Knot about 3 cm from the end
- Each knot eats up 2 cm of wire
- Cut 2 cm of wire off of each end after tying the knot
- Overall Length is then 8 cm less than Length A
Spiderbeam 5-Band Yagi
Adjustment 12m Lengths

Driven Element:

To measure, undo the loop at the end, slide the insulator towards the middle and out of the way, and then pull the wire straight and measure as shown above.
(D.E. without feedline: A-2cm from end to bend inside of the insulator.)

Note: For clarity, the wires of the feedline are shown here as being separated. Normally they will be touching each other; do not separate them.

Original 17m Lengths, Manual Page 30:

<table>
<thead>
<tr>
<th>band</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>total</th>
</tr>
</thead>
<tbody>
<tr>
<td>12m</td>
<td>273 cm</td>
<td>46 cm</td>
<td>5 cm</td>
<td>324 cm</td>
</tr>
</tbody>
</table>

Note: Final Measurements are made End-to-End, disregarding the Knots.

AFTER making sure all lengths are correct, fold the 10cm wire stub beyond the knot into a small loop, secure with a wire tie, and slide the insulator towards the end of the wire element, against the knot.

Reflector:

To measure, slide the insulators towards the middle and out of the way, and then measure as shown above.

- A = Original Cut Length
- Tie Knot about 3cm from the end
- Each knot eats up 2cm of wire
- Cut 2cm of wire off of each end after tying the knot
- Overall Length is then 8cm less than Length A

Note: Final Measurements are made End-to-End, disregarding the Knots.

Parasitic Element Cut Lengths (Page 30 in the Manual):

<table>
<thead>
<tr>
<th>band</th>
<th>reflector</th>
<th>director 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>12m</td>
<td>579 cm</td>
<td>- - -</td>
</tr>
</tbody>
</table>
Spiderbeam 5-Band Yagi
Adjustment 10m Lengths

**Driven Element:**

- **235 cm**

To measure, undo the loop at the end, slide the insulator towards the middle and out of the way, and then pull the wire straight and measure as shown above.

(D.E. without feedline: A-2cm from end to bend inside of the insulator.)

Original 10m Lengths, Manual Page 30:

<table>
<thead>
<tr>
<th>band</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>total</th>
</tr>
</thead>
<tbody>
<tr>
<td>10m</td>
<td>237 cm</td>
<td>78 cm</td>
<td>5 cm</td>
<td>320 cm</td>
</tr>
</tbody>
</table>

**Reflector:**

- **(511 cm)**

To measure, slide the insulators towards the middle and out of the way, and then measure as shown above.

- Original Cut Length (Manual Page 20)
- Tie Knot about 3cm from the end
- Each knot eats up 2cm of wire
- Cut 2cm of wire off of each end after tying the knot
- Overall Length is then 8cm less than Length A

Parasitic Element Cut Lengths (Page 30 in the Manual):

<table>
<thead>
<tr>
<th>band</th>
<th>reflector</th>
<th>director 1</th>
<th>director 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>10m</td>
<td>519 cm</td>
<td>478 cm</td>
<td>478 cm</td>
</tr>
</tbody>
</table>

**Directors:**

- **(470 cm)**

To measure, slide the insulators towards the middle and out of the way, and then measure as shown above.

- Original Cut Length (Manual Page 20)
- Tie Knot about 3cm from the end
- Each knot eats up 2cm of wire
- Cut 2cm of wire off of each end after tying the knot
- Overall Length is then 8cm less than Length A