Bulletin #: TB980715 Fusion Sprog Cable Tether Upgrade Date: 07/14/98 Page 1 of 1

Background:

Effective July 1998 we have changed the tether assembly which secures the sprog in proper orientation to the transverse batten. The new assembly is both easier to connect and to adjust. There is no requirement to upgrade the earlier configuration to this new configuration.

Upgrade Procedure:

If you wish to upgrade to the new system, an upgrade kit is available for $20.00 retail. It includes:

2	40P-6051	WIRE SPROG TETHER
2	15R-1311	SNAP CLIP - #798 CLOSED EYE

Note: Fusions manufactured prior to June 1998 generally were fitted with carbon fiber sprogs (black tubes, smaller diameter, aluminum rear paddles). Later models use all aluminum sprog tubes, which have plastic rear paddles. These later sprogs do not have the black bungee cords attached to the paddle. They also do not have the rear neoprene cover installed, as we have found that the plastic paddle will not damage the sail. The bungee cord is not necessary for the function of the sprog, as the combination of the cable tether and the sail rib just inboard of the sprog will insure its proper position. However, without the bungee there is nothing to retain the rear neoprene cover on the sprog, so if you are upgrading carbon fiber sprogs to the new tether system, you may wish to retain the bungee.

Installation:

1. Remove 505 tether and old snap clip from the sail and discard the clip.
2. Install the new tether cable onto the sail by larks heading one end to the loop sewn to the sail as shown.
3. Cut a one foot piece of the 505 leech line to use to attach the new snap clip to the sprog paddle.
4. Attach the clip to the paddle as shown using a single overhand knot inside the paddle cut-out on each end of the leech line. Adjust the length of the leech line loop so as to position the sprog ¼ to ½ inch from the fabric rib.
5. If your glider has the new style transverse batten installation where the batten is not enclosed in a full length pocket, larks head an eight inch length of leech line, doubled over, to the sprog tether cable as shown and tape it to the bottom of the transverse batten as shown. This will prevent the cable from wrapping around the batten.
6. Heat seal all cut edges of the 505 leech line.

Note: Due to the small diameter of the cable, it can become disengaged from the snap clip if there is any gap between the hook and gate on the clip. Inspect the clip periodically, and if you notice a gap, adjust the clip as follows:

1. Pull the gate laterally to the side of the hook, and then outward 1/4" to 3/8" away from the hook.
2. Re-position the gate inside the hook, and verify that it is completely closed.
3. Press the gate inwards as would be necessary to disconnect the cable, and verify that it closes fully when released.

