

Service Procedure

Applies To:

Bottom side wire installation or replacement on all gliders equipped with Litestream or Slipstream type downtubes.

Tools Required:

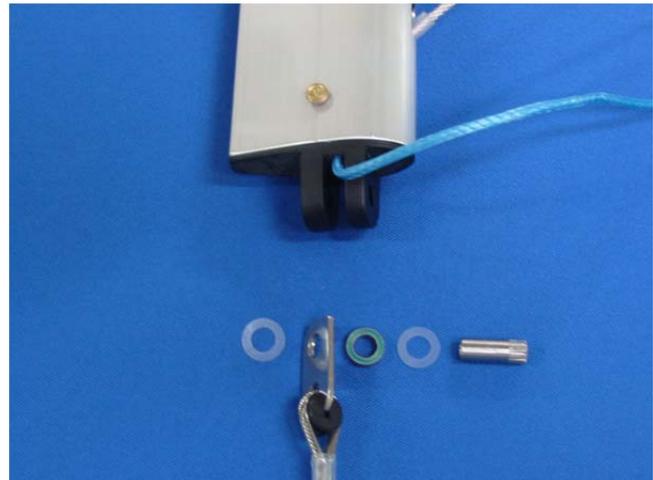
70L-1561 SIDEWIRE BUSHING TOOL
 HAMMER

Background:

The bottom side wire on Litestream and Slipstream equipped models is retained in the bottom downtube plug by a knurled bushing – 10T-4120 BUSH SS .3115 X .028 X .850. This bushing is installed from the front of the downtube end plug, knurled end last, and in addition to the side wire tang, also retains the following items:

10U-5095	WASHER NYLON .560 X .320 X .013	(2)
20P-1270	BEARING .5 OD .312 ID .156 TH	(1 – right side only)
10T-5103	SPACER NY .560 X .320 X .18	(1 – left side only)

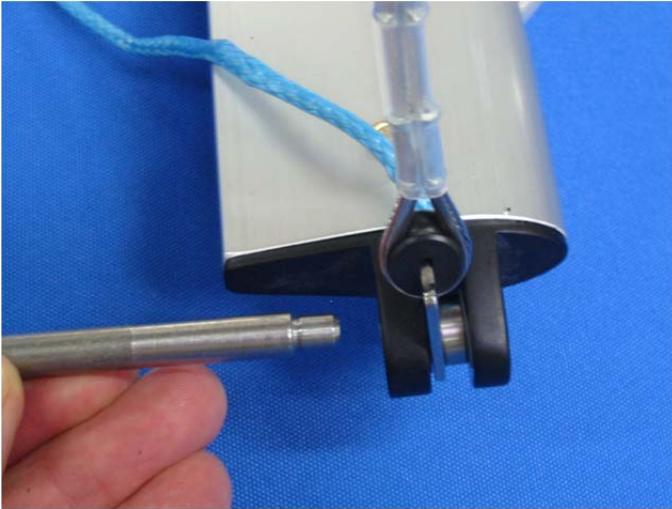
The assembly, both installed and taken apart, for the right side downtube, is shown below:



Procedure:

The first step is to remove the 10T-4120 bushing. You will use the sidewire bushing tool to push out the knurled bushing. First verify that the bushing is installed in the normal manner, with the knurled end at the front. (If it is installed in the reverse direction, you will remove it in the reverse direction – you do not want to push the knurled end through the downtube end plug.)

Insert the stepped end of the sidewire bushing tool into the retaining bushing from the rear. Press, or gently tap the bushing out the front of the end plug, and remove the bushing and all parts. Set aside the old side wire.



Using the sidewire bushing tool as a guide, and working from the back of the downtube plug to the front, assemble the components, including the new sidewire, in the order shown in photo #2 on the first page. Make sure to insert the sidewire bushing tool with the stepped end toward the front of the downtube end plug. Take care to install the side wire tang in the correct orientation, as shown.

Install the knurled bushing onto the stepped end of the sidewire bushing tool, with the knurled end at the front as shown, and push the bushing back into the downtube end plug and through the installed hardware, while pushing the sidewire bushing tool out the back side.



Reverse the sidewire bushing tool and press or gently tap the knurled bushing into the downtube plug until the end of the bushing is just flush with the surface of the plug, as in the second photo below. If the bushing protrudes, as in the first photo below, it will be difficult to assemble the downtube to the basetube bracket.

