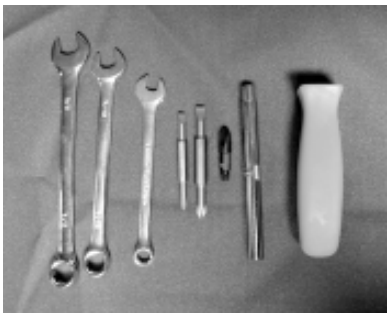
Falcon 3 Shortpack Bag/Box

We offer different length box assemblies for each of the Falcon 3 models, with the exception of the Falcon 3 Tandem which cannot be short-packed.

45G-1310	BAG/BOX – GLIDER SHORT PACK 84 (Falcon 3 195)
45G-1311	BAG/BOX – GLIDER SHORT PACK 78 (Falcon 3 170)
45G-1312	BAG/BOX – GLIDER SHORT PACK 72 (Falcon 3 145)

Each of the short pack kits itemized above includes (1) tools necessary to break down the glider following the procedure illustrated in the glider owners manual (2) a heavy-duty bag with plastiboard liner and wheel assembly (3) batten studs with threaded couplings to modify longer Falcon battens to fit in the breakdown box.



The tool kit

4-in-1 Screwdriver (#1 and #2 Phillips, #1 and #2 flat)
#3 Phillips bit (to fit 1/4 inch phillips NAS517 bolts at the kingpost)
5/16 wrench (to fit 1/4 inch clinch nuts)
7/16 wrench (to fit 1/4 inch nylocks)
1/2 wrench (to fit keyhole collar at the rear wire junction)

Breakdown batten couplings

We include 2 sets of breakdown batten couplings to retrofit the no. 6 battens on the Falcon 3 145, and 4 sets of batten couplings to retrofit the no. 5 and 6 battens on the Falcon 3 170 and 195. Each coupling set consists of the following two parts:

10N-2034	BATTEN STUD THREADED INSERT 10MM 0.335 X 2.0 X M7x1.0
10N-2031	BATTEN TIP THREADED INSERT

To install the couplings, mark and cut the no. 6 (F3 145) or no. 5 and no. 6 (F3 170/195) at 12 inches from the aft cut edge of the tubing (fig 1.). Deburr the edges of the tubing. Thread the insert completely onto the stud and mark the center of the assembly (fig. 2).

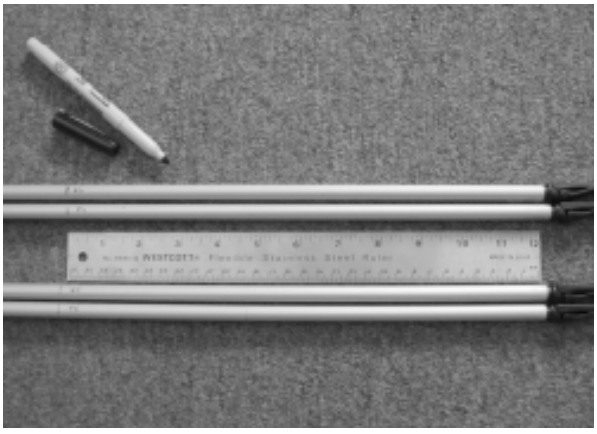


Fig. 1

Fig. 2

Insert the coupling assembly with the stud in the front portion of the batten to the midpoint of the assembled coupling. Mark the batten tubes at positions corresponding to the midpoint of the stud in the front section (about 1/2 inch from the cut edge of the tube) and the midpoint of the threaded insert in the rear tube (about 7/8 inch from the cut edge of the tube). Use a sharp punch to dimple the tubes and secure the coupling. Check the punch indendation at the front batten tip and rear lever assembly as a reference for the punch depth required to secure the coupling. Unscrew the coupling to beak down the batten.

The figures below illustrate positioning the coupling at the tube junction and the punch locations.

Bag /Box assembly

The bag assembly includes the following items:

Heavy-duty ballistic-cloth zippered bag
Corrugated plastiboard liner (box)
Wheel assembly with fasteners

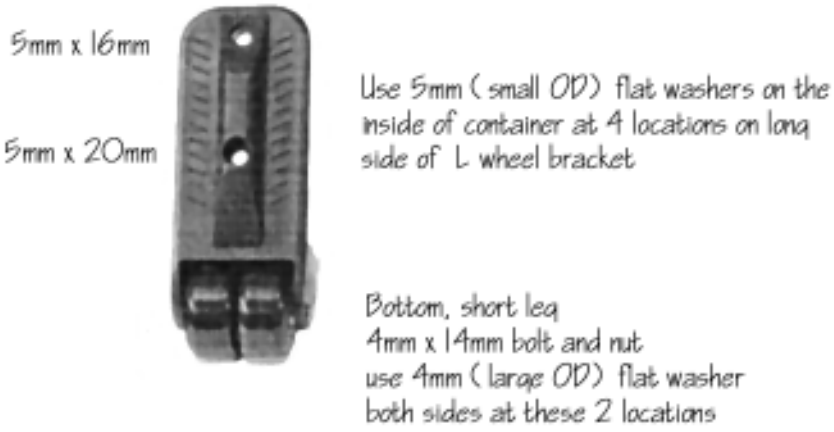
The plastiboard is scored and folded in 2 places so it can be shipped without oversize charges. When assembled into the box configuration, it fits snugly inside the ballistic cloth bag and provides protection for the airframe on 5 sides. The sail is packed on top of the airframe and protects the airframe on the remaining top side.

Please note: if you choose to install the wheel assembly, and you wish to subsequently fold the box and bag flat, you'll need to remove at least one set of the fasteners on the bottom of the wheel bracket.

Use the following proceedure to install the wheels. Position the plastiboard box evenly inside the bag. The plastiboard has punched holes coresponding to the fasteners that mount the wheel assembly. Use an awl to punch corresponding holes through the bag. The wheels require the following fasteners which we include with the kit.

(2) 5mm screw x 20mm PHP .8 pitch
(2) 5mm screw x 16mm PHP .8 pitch
(2) 4mm screw x 14mm PHP .7 pitch
(4) 4mm fender washer
(4) 5mm fender washer
(4) 5mm nyloc
(2) 4mm nyloc

Mount the wheel assembly using the fasteners shown in the diagram below. Use 5mm flat washers on the inside of the container. Use 4mm washers on both sides of the container



The preferred orientation of the fasteners is with the heads of the screws on the insde of the container and the locking nuts on the outside, however that fastener orientation requires a 5mm metric socket to tighten the nuts. If you don’t have a 5mm metric socket, insert the screws from the outside and hold the nuts on the inside with pliers while you tighten the screws.