

K-505 Mounting the Fiberglass Specialties #23 wheel pants

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Parts Required:

Mounting Hardware:

2 Ply Mounting Plates Included in basic Arrow Master kit (parts WP) Laser Cut Poplar Ply

Additional items not included in kit:

- 1 Pair . . . Wheel Pants Fiberglass Specialties #23 Wheel Pants (see Note Below)
- 4 Wheel Pant Mounting 4-40 Blind Nuts
- 4 Wheel Pant Screws Mounting .4-40 x 3/8" Machine Screws
- 2 Axle Nuts 8-32 Nuts (in addition to the eight in the kit)

Note: We decided not to put wheel pants in the kit because many builders would not use them. And if we put them in the kit they would be vac-formed plastic, which is flimsy and a pain to assemble. However, we found a great set of epoxy glass wheel pants from Fiberglass Specialties that look great, are rugged, and fit perfectly.

Their contact info is:

Fiberglass Specialties
15715 Ashmore Dr.
Garfield, Arkansas 72732
Phone 479 359-2429
Web Site: <http://www.fiberglassspecialtiesinc.com/>

If you buy the Fiberglass Specialties #23 wheel pants, email us a copy of the receipt and we will send you a FREE SET OF MOUNTING HARDWARE as listed above.

1...Drill out the wheel so it is loose fit on the axle without excessive play.



2...Place a washer on the axle screws. Insert the axle screws into the wheels. Install one nut on the axle and screw it down to the wheel. Back the nut off 1 turn to allow about 1/32" side play in the wheel. Now install a second nut to lock the first one in place. Now install a third and fourth nut as a spacer. Use a thread locking compound on these nuts.



3...Insert the axle into the landing gear and secure with a nut. Use a thread locking compound on this nut.



4...Place the wheel pant on the landing gear with the front of the wheel pant facing the rear of the model.

Hold the back of the wheel pant tightly against the landing gear leg and the spacer nuts.

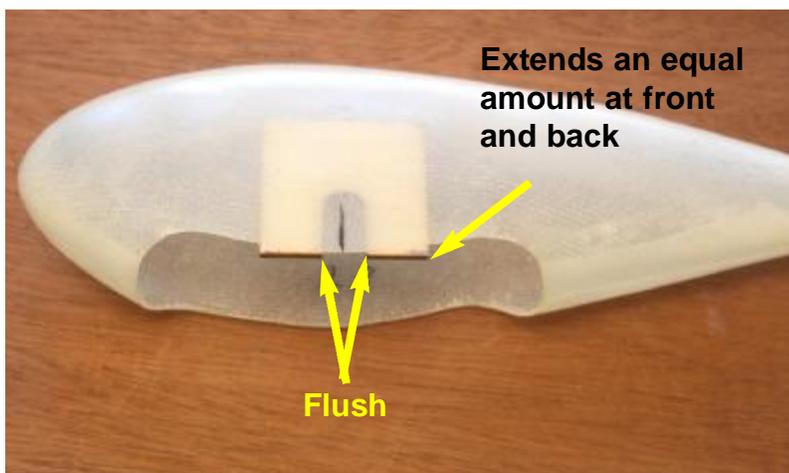
Adjust the wheel pant fore and aft so the wheel is centered in the opening in the bottom of the wheel pant.

Mark a vertical line on the wheel pant aligned with the center of the axle as shown.



5...Place part LG on the inside of the wheel pant as shown. The inboard corners on the bottom should be flush with the wheel pant. The outboard corners of LG should extend below the edge of the wheel pant an equal amount. Glue part LG to the inside of the wheel pant with thick C/A glue.

Note...Clean the inside surface of the wheel pant with acetone or lacquer thinner to clean the surface and remove any mold release or wax.



6...Using the slot in part LG as a guide, cut away the fiberglass with a Dremel tool or a file. Trim or sand the bottom edge of LG flush with the edge of the wheel pant.



7...Block up the rear of the fuselage to hold the fuselage in a level position. Place the wheel pant on the landing gear. Hold it completely down and in contact with the spacer nuts and tightly against the landing gear leg.

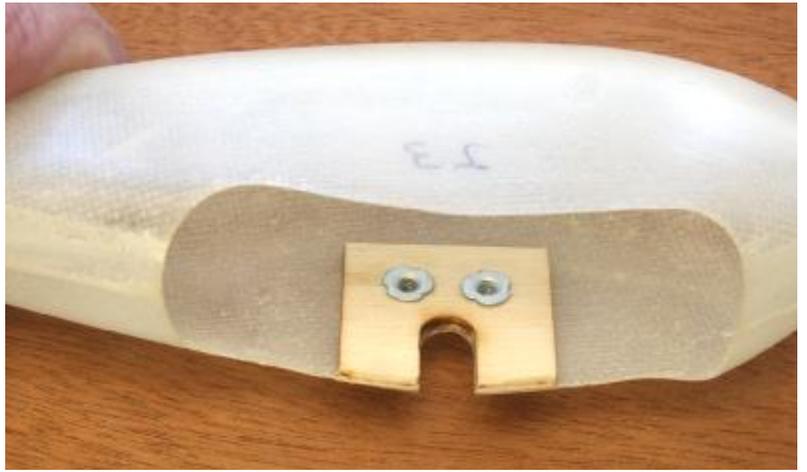
Rotate the wheel pant until it is level with the fuselage. Mark the screw holes on the wheel pant using a pen through the screw holes.



8...Drill the screw holes in the wheel pant with a 5/32" drill bit.



9...Tightly press the two 4-40 blind nuts into the holes in part LG. Secure them with a small drop of C/A glue.



10...Install the wheel pant to the gear leg with two 4-40 x 3/8" screws. Check to make sure that the wheel rotates freely. Cut off the excess from the axle screw as shown.



11...Repeat to install the wheel pant on the opposite side. Make sure the wheel pants are aligned with each other.

Remove the wheel pants and finish them following the instructions that come with the wheel pants.

When the paint is dry, reinstall on the model. Use a thread locking compound on the screws.

