

Cessna 182 Body Fairings

APPLICABLE MODELS

Cessna 182 Models

182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R

KNOTS 2U, LTD.

709 Airport Road
Burlington, WI 53105
262 763-5100
www.knots2u.com

Rev #	Date	Effect
A	5-4-01	Re-write. Changed part numbers. Added maintenance manual.

TABLE OF CONTENTS

Section	1.0	Body / Cowl Fairing Installation	3
	1.1	Installing Forward Body Fairing P/N 07717-61	3
	1.2	Installing Aft Body Fairing P/N 07717-63	3
	1.3	Parts List	3
	1.4	Paperwork and Log Book Entry	3
	1.5	Body Fairing Installation	4
Section	2.0	Maintenance Manual	5
Section	3.0	Supplemental Type Certificate	

Section 1.0 Body Fairing Installation

1.1 Installing Forward Body Fairing P/N 07717-61

Hold forward body fairing P/N 07717-61 in place allowing 1/64" clearance around nose strut piston. The center forward mounting dimple in fairing should be aligned with the bottom center of air cleaner. *(Check inside of cowling to confirm clearance in locations to be drilled, cowling may be removed to accomplish this if necessary)* Temporarily tape fairing in place on cowl. Hold aft body fairing in place and confirm proper alignment of the two fairings, adjust if necessary. Drill #27 holes at dimpled locations, cleco as you go. Countersink all holes in fairing and rivet using CR3242-4-3 Cherry rivets. (23 req.) Additional rivets may be used if necessary to aid in proper fit to cowling. Observe all edge distances and spacing if additional rivets are used.

1.2 Installing Aft Body Fairing P/N 07717-63

On aircraft with S/N 18261426 & on, existing Cessna P/N 0713335-1, rear body fairing should be removed prior to the installation of the new fairing. (Before drilling holes in fuselage, check areas for interference!) Align the leading edge of aft fairing with the trailing edge of the cowl fairing. Drill 7 #40 holes in body fairing at locations that will not interfere with any structure, lines, wiring etc. and cleco fairing in place. Remove fairing and enlarge holes in fuselage to a #12 hole size. Enlarge holes in fairing to a #20 hole size. Install (7) P/N A8K-75 rivnuts in fuselage and install fairing using (7) AN526C-832-R10 screws. If an existing hole can be used from removed P/N 0713335-1 you may use it. Drill a #30 drain hole at the lowest point in the bottom of the aft body fairing.

1.3 Parts List

<u>Qty.</u>	<u>Part No.</u>	<u>Description</u>
1	07717-61	Forward Body Fairing
1	07717-63	Aft Body Fairing
23	CR3242-4-3	C/S Cherry Rivet
7	A8K-75	Keyed Rivnut
7	AN526C-832-R10	Stainless Screw

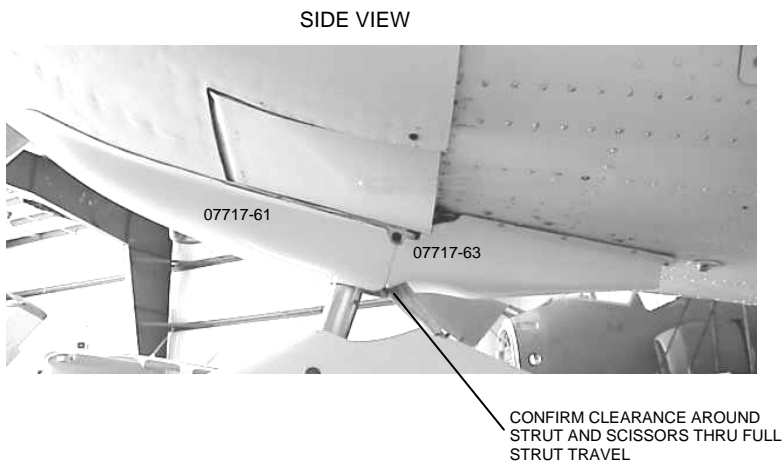
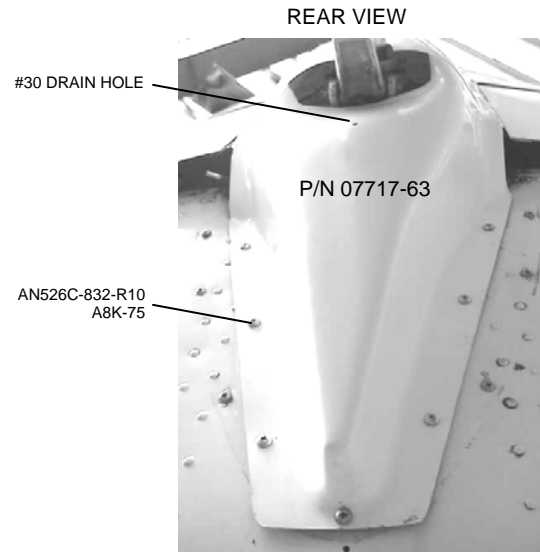
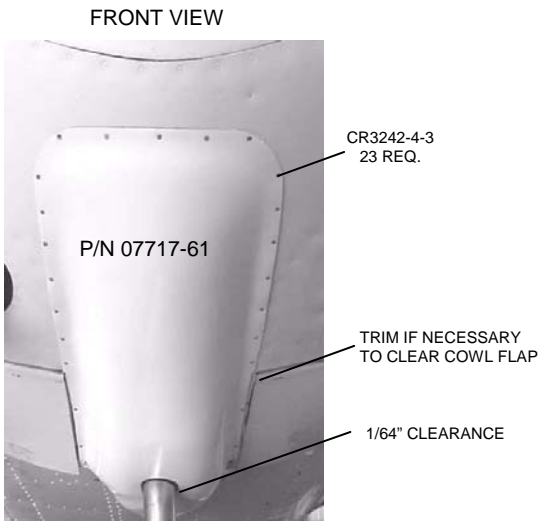
1.4 Paperwork And Logbook Entry

Perform paperwork (337 and logbook entry). Place KNOTS 2U Maintenance Manual and Supplemental Type Certificate with logbooks. Place copy of this manual with STC and Maintenance manual with aircraft logs.

Weight and Balance change = 1.90 lbs.

Arm = Per appropriate Cessna manual

Section 1.5 Body Fairing Installation



Section 2.0 Maintenance Manual – Instructions for Continued Airworthiness.

KNOTS 2U, LTD.
709 Airport Road
Burlington, WI 53105
262 763-5100
www.knots2u.com

Cessna 182 Models
Body Fairing Kit

1. Before each flight, inspect the fairings for loose screws or rivets and proper fit.
2. Upon each annual or 100 hour inspection, inspect the fairings for proper fit, loose screws / rivets, cracks, or separated plies of fiberglass.
3. If any of the above discrepancies are found; replace hardware or repair fiberglass using proper techniques and procedures as outlined in AC 43.13-1B & 2A.