

# Cessna Nose Gear Fairing

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## APPLICABLE MODELS

150 Series, 172 Series, 175 Series, 177 Series, 182 Series, 205 Series,  
206 Series, 207 Series.

## ***KNOTS 2U, LTD.***

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Rev #	Date	Effect
A	5-4-2001	Re-Write. Changed part numbers. Added Maintenance Manual.

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**STOP: Read Complete Installation Manual Before Any Work is Performed on Aircraft**

The proper Cessna Service Manual should be used in conjunction with this installation manual. **Confirm nose gear shimmy dampener is in proper condition before adding any nose gear fairing.** Due to extensive variations in nose gear assemblies from Cessna, the proper Cessna Service Manual must be referenced for installation. Please contact us with any questions. *It is important to keep tires inflated to their proper pressure. An under inflated tire could contact the gear fairings.*

All recommendations set forth in AC43.13 should be complied with during the installation of this kit. If aircraft is equipped with 5.00 X 5 nose wheel tire continue with Section 1.0. If aircraft is equipped with 6.00 X 6 tire proceed to section 3.0.

Section 1.0 Installation Nose Gear Fairing (5.00 X 5 Tire)

Install new nose wheel fairing. It is recommended to use Cessna P/N 0742410-27 double-threaded axle bolt with nose gear fairing as it will allow future removal of fairings without the need to remove the tire. Do not over tighten the axle nuts! Trim opening around tire to at least .75" front and rear, and .50" along sides.

Section 1.1 Installation of Nose Cap Fairing (5.00 X 5 Tire)

Install upper fairing on nose wheel fairing. Check for proper clearance around scissors through the struts full extension and compression. Fairing may be trimmed where necessary. Drill hole in fairing for tow bar insertion. If a lower cowl fairing is installed on the aircraft that could interfere with nose cap fairing when the strut is fully compressed, you may attach a .75" piece of rubber hose around the bottom of the strut with a hose clamp to prevent strut from compressing all the way.

Section 2.0 Weight and Balance / Paperwork

Weight of nose wheel fairing and nose cap fairing = 5.7 lbs.  
Minus weight of fairing removed =  
Arm = Per appropriate Cessna manual

Complete FAA Form 337 and logbook entry. Place copy of this manual including maintenance manual page with aircraft record for future service.

Section 3.0 Installation of Nose Gear Fairing (6.00 X 6 Tire)

Install new nose wheel fairing. Do not over tighten the axle nuts! Trim opening around tire to at least .75" front and rear, and .50" along sides Check for proper clearance around scissors through the struts full extension and compression. Fairing may be trimmed where necessary.

Section 4.0 Weight and Balance / Paperwork

Weight of nose wheel fairing = 6.25 lbs.  
Minus weight of fairing removed =  
Arm = Per appropriate Cessna manual

Complete FAA Form 337 and logbook entry. Place copy of this manual including maintenance manual page with aircraft record for future service.

Section    7.0

Parts List

**Knots 2U, Ltd. Nose Gear Fairing Parts List**

Cessna Models:

150 series, 152 series, 172 series, 175 series, 177 series,  
182 series, 205 series, 206 series, 207 series.

Excludes retractable models

Index No.	Part Number	Description	Units Per Assy.	Usable on Code
	07706-011	FAIRING ASSEMBLY – NOSE WHEEL	1	A
	07706-12	FAIRING ASSEMBLY – NOSE WHEEL	1	B
	07706-13	FAIRING ASSEMBLY – NOSE WHEEL	1	C
	07706-14	FAIRING ASSEMBLY – NOSE WHEEL	1	D
	07706-34	FAIRING ASSEMBLY – NOSE WHEEL – HEAVY DUTY	1	E

- A- 150, 150A, 150B, 150C, 150D, 150E, 150F, 150G, 150H, 150J, 150K, A150K, 150L, A150L, 150M, A150M, 182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, T182, 182S.
- B- 206, P206, P206A, P206B, P206C, P206D, P206E, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G, TP206A, TP206B, TP206C, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, 206H, T206H, 210-5, 210-5A, 207, T207, 207A, T207A.
- C- 172, 172A, 172B, 172C, 172D, 172E, 172F, 172G, 172H, 172I, 172K, 175, 175A, 175B, 175C, P172D, R172E, R172F, R172G, R172H, R172J, R172K, 172L, 172M, 172N, 172P, 172Q, 172R.
- D- 177, 177A, 177B.
- E- 150, 150A, 150B, 150C, 150D, 150E, 150F, 150G, 150H, 150J, 150K, A150K, 150L, A150L, 150M, A150M, 152, A152, 172, 172A, 172B, 172C, 172D, 172E, 172F, 172G, 172H, 172I, 172K, 175, 175A, 175B, 175C, P172D, R172K, 172L, 172M, 172N, 172P, 172Q, 172R, 177, 177A, 177B, 182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, T182, 182S, 206, P206, P206A, P206B, P206C, P206D, P206E, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G, TP206A, TP206B, TP206C, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, 206H, T206H, 210-5, 210-5A, 207, T207, 207A, T207A.

Section 8.0      Maintenance Manual / Instructions for Continued Airworthiness.

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- Part A. Inspection
- Pre-flight ----- Inspect attachment and condition of all fairings. Confirm tire pressure is at recommended pressure.
- 100 hour and annual ----- Inspect attachment and condition of all fairings. Inspect condition of all fasteners for wear or looseness. Inspect around strut and scissors to confirm there is no chaffing or abrading with fairing.
- Part B. Maintenance
- If excessive wear or looseness of fasteners is found, replace fasteners. If excessive chaffing or abrasion is occurring, trim fairing to proper clearance.
- Part C. Cracking or Defects
- If any crack is found that exceeds one inch in length, or if a crack runs from an attachment hole or edge of the fairing, remove the part and repair the crack in accordance with FAR 43.13-1A Chapter 2.