



AERO PLASTICS INC.

Single Piece Windshield

Report No. 312/CON

Installation Drawing List

Applicable Aircraft Models

Cessna 170A s/n 18729 through 20266

170B s/n 20267 through 27169

172 s/n 28000 through 29999

s/n 36000 through 36999

s/n 46001 through 46754

172A s/n 46755 through 47746

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AERO PLASTICS INC.

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Revision 2
March 11, 1992

**INSTALLATION & REMOVAL INSTRUCTIONS FOR REMOVAL OF CENTER STRAP
CESSNA 170A, 170B, 172, 172A
WINDSHIELD REMOVAL**

1. Drill out rivets securing front retainer strip. See Fig. 1 Item 2
2. Remove wing root fairings over windshield edges.
3. Remove and tape compass clear of work area.
4. Remove both inner and outer center straps and discard. See Fig. 1 Items 4 & 5.
5. Drill out rivets and remove top retainer. See Fig. 1 Item 3. Pull windshield straight forward, out of side and top retainers. Discard old windshield.
6. Clean all mounting surfaces thoroughly. Any damaged retainers should be repaired at this time.

INSTALLATION

1. When installing the new windshield (part number 312/CON or 312/CMB), check fit carefully and file or grind away excess acrylic.
2. Apply felt strip and sealing compound or sealing tape to all edges of the windshield to prevent leaks. See Fig. 2 Item 2.
3. Replace top windshield retainer with Cessna part no. 0513312-1 or LP Aero Plastics, Inc. equivalent part no. 312/RET. See Fig. 2 Item 3. Top retainer may be riveted or screwed into place as per step 5 below.
4. Use care not to crack the windshield when installing. Starting at the upper corner and gradually working windshield into position is recommended.
5. Replace the front retaining strip Fig. 2 Item 4. Screws (MS35218-28) and self locking nuts (MS21044N06)(or equivalent hardware) may be used instead of rivets, which fasten the front retaining strip to the cowl deck and the top retaining strip.
6. The windshield may be purchased with or without the compass mounting block bonded to it. Mount compass on windshield or as an alternate it may be mounted to the top of the instrument panel or in the instrument panel. Reconnect the compass wiring and recalibrate the compass.
7. Follow the guidelines on acceptable maintenance procedures in the FAA Advisory Circular AC 43.13-1A, or latest revision, in completing all phases of the installation. Complete 337 form. The weight of the original windshield and center strap is approximately 11 lb. The weight of the replacement windshield is approximately 14.9 lb. Account for the additional weight for operation performance in the weight and balance calculations.

WINDSHIELD REMOVAL

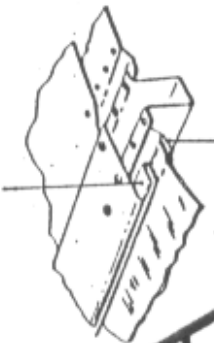
CENTER STRAP

#5

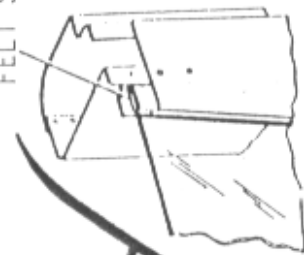
#4



TOP RETAINER #3



FELT STRIP



WINDSHIELD



FELT STRIP

FRONT
RETAINER #2



FIGURE #1

LP AERO PLASTICS, INC.

4/22/91

SCALE - NONE

CESSNA

170A

170B

172

172A

WINDSHIELD INSTALLATION

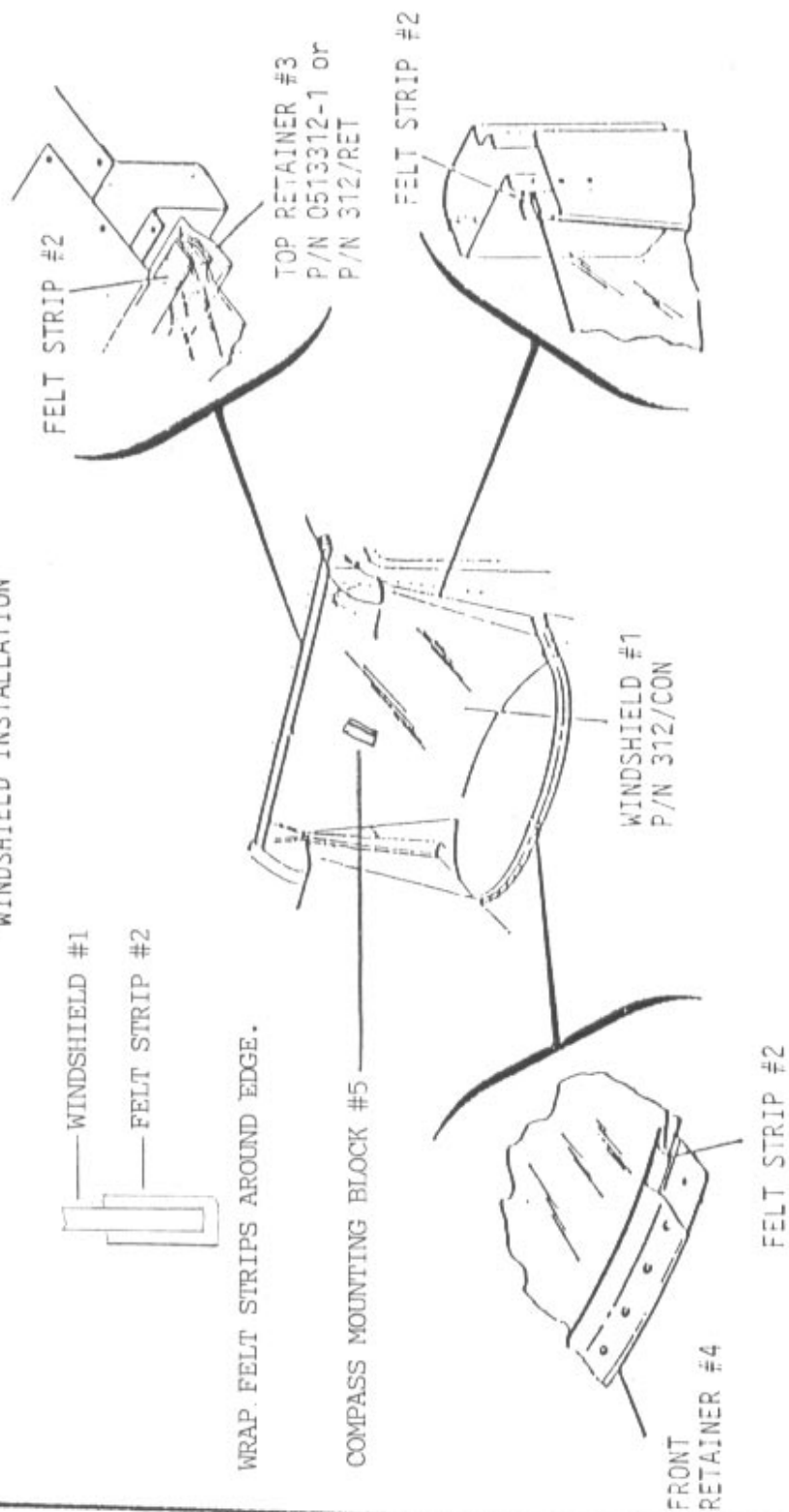


FIGURE #2

WINDSHIELD P/N	APPLICABILITY	SERIAL NUMBERS
#1 - P/N 312/CON	CESSNA 172	S/N 28000 thru 29999
	CESSNA 172	S/N 36000 thru 36999
	CESSNA 172	S/N 46001 thru 46754
	CESSNA 172A	S/N 46755 thru 47746

#2 - FELT STRIPS #3/32" x 1 1/2" - INCLUDED

312/CON
LP AERO PLASTICS, INC.
04/06/90
SCALE - NONE