



**AERO PLASTICS INC.**

## Single Piece Extra Thick Windshield

Report No. 316/CON

Installation Drawing List

### Applicable Aircraft Models

Cessna 180	s/n 30000 through 50355 s/n 50356 and up
Cessna 182	s/n 33000 through 51556 s/n 41557 through 18253598 s/n 18253599 through 18255844
Cessna 185	s/n 185-0001 and up

Page Numbers 1 of 5 Inclusive 05/16/89



**AERO PLASTICS INC.**

MAY 16, 1989

INSTALLATION & REMOVAL INSTRUCTIONS FOR REMOVAL OF CENTER STRAP  
CESSNA 180, 182, 185  
WINDSHIELD REMOVAL

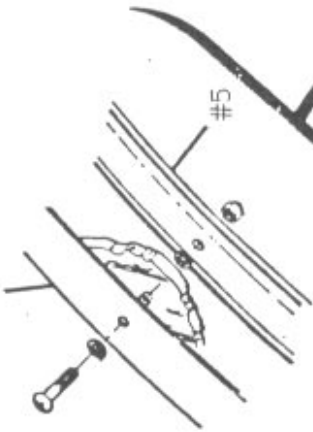
1. Drill out rivets securing front retainer strip. See Fig. 1 Item 2
2. Remove wing root fairings over windshield edges.
3. Remove and tape compass clear of work area.
4. Remove both inner and outer center straps and discard. See Fig. 1 Items 4 & 5.
5. Drill out rivets and remove top retainer. See Fig. 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

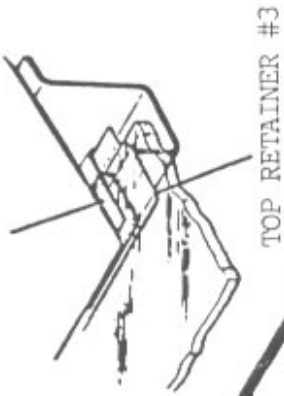
1. When installing the new windshield (see Fig. 2 Item 1 for part numbers), check fit carefully and file or grind away excess plastic.
2. Apply felt strip and sealing compound or sealing tape to all edges of windshield to prevent leaks. See Fig. 2 Item 2
3. Replace top windshield retainer with Cessna part no. 0713822-1 or LP Aero Plastics Inc. equivalent part no. 339/RET. See Fig. 2 Item 3. Top retainer may be riveted or screwed into place as per step 6 below.
4. Use care not to crack windshield when installing. Starting at upper corner and gradually working windshield into position is recommended.
5. The windshield may be purchased with or without the compass mounting bracket 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.
6. Replace the front retaining strip Fig. 2 Item 4. Screws and self locking nuts may be used instead of rivets which fasten the front retaining strip to the cowl deck and the top retaining strip. If at least No. 6 screws are used, no loss of strength will result.
7. Complete 337 form. The weight change is negligible.
8. 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.

WINDSHIELD REMOVAL

CENTER STRAP #4

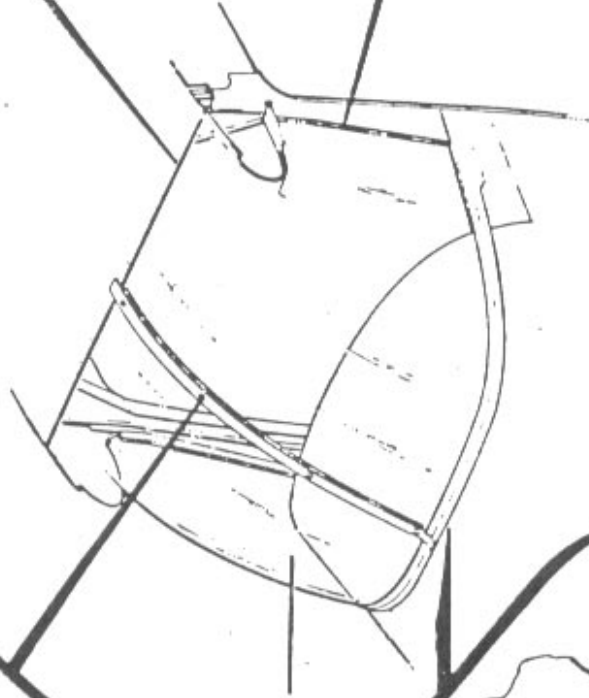


FELT STRIP

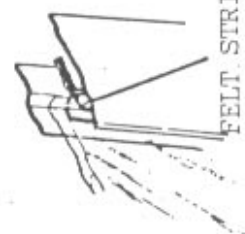


TOP RETAINER #3

WINDSHIELD



FELT STRIP



FRONT  
RETAINER #2

FIGURE #1

LP AERO PLASTICS, INC.

5/16/89

SCALE - NONE

WINDSHIELD INSTALLATION

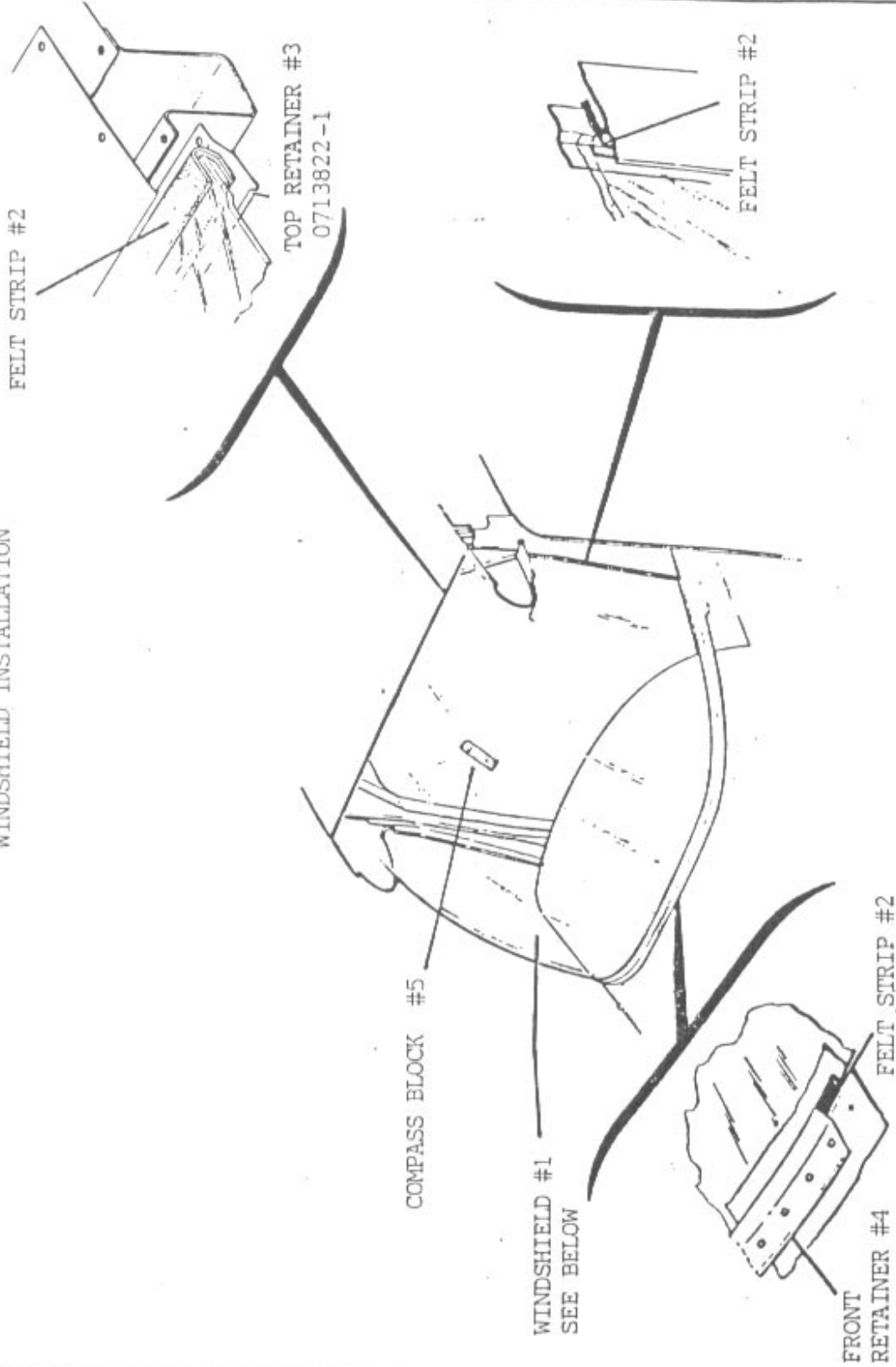


FIGURE #2

WINDSHIELD P/N	APPLICABILITY	SERIAL NUMBERS	WINDSHILD P/N WITH COMPASS BLOCK
#1 - p/n 315/CON	CESSNA 180	s/n 30000 thru 50355	p/n 315/CMB
	CESSNA 182	s/n 33000 thru 51556	
p/n 316/CON	CESSNA 180	s/n 50356 and up	p/n 316/CMB
	CESSNA 182	s/n 51557 thru 18253598	
	CESSNA 185	s/n 185-0001 and up	
p/n 339/CON	CESSNA 182	s/n 18253599 thru 18255844	p/n 339

LP AERO PLASTICS, INC.  
5/16/89  
SCALE - NONE

POSITIONING OF LOCKING STRIP AND COMPASS MOUNTING BLOCK

1. BOND THE ACRYLIC LOCKING STRIP TO THE INNER FACE OF THE TOP TRAILING EDGE OF THESE WINDSHIELDS: 315/CON , 315/CMB 316/CON , 316/CBM 339/CON
2. BOND THE COMPASS BLOCK TO THE INNER FACE OF THE WINDSHIELDS: 315/CEM, 316/CEM CENTER THE BLOCK FROM LEFT TO RIGHT AND LOCATE THE TO EDGE OF THE MOUNT 10.25" FROM THE TRAILING EDGE OF THE WINDSHIELD. POSITION THE BLOCK SO THAT THE SLOT OPENS TO THE TOP OF THE WINDSHIELD.
3. THE BASIC WINDSHIELDS FOR ALL OF THE ABOVE ARE STANDARD LP AERO PLASTICS, INC. P/N 315, 316, 339

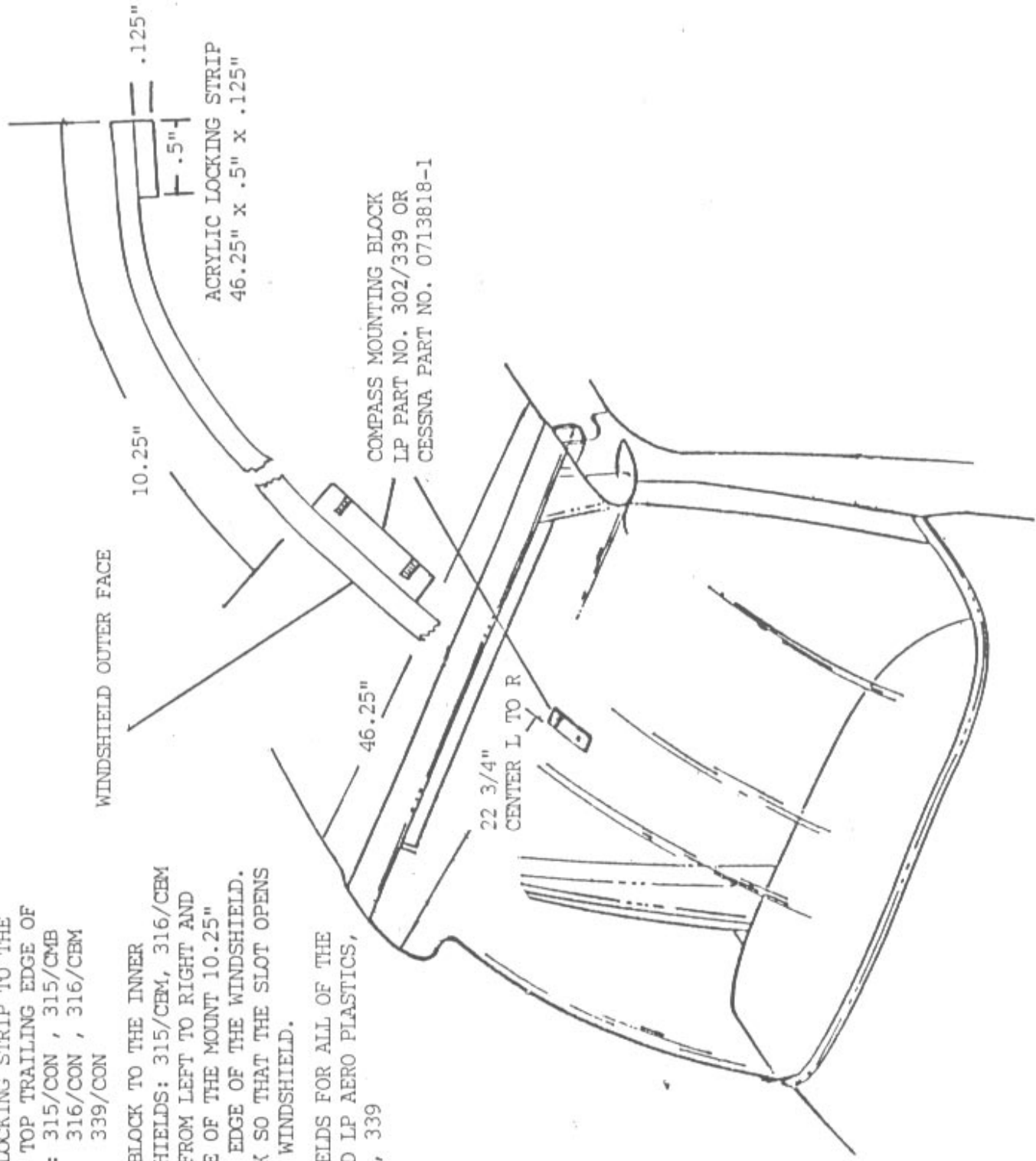


FIGURE #3

LP AERO PLASTICS, INC.  
 5/16/89  
 SCALE - NONE