

Custom Kit



Rockwell International

General Aviation Division
5001 North Rockwell Avenue
Bethany, Oklahoma 73008

CUSTOM KIT NO. CK-112-9
15 June 1977

WINTERIZATION KIT

MODELS AFFECTED: MODEL 112TCA, SERIAL NO'S 13150 AND SUBS.
REASON FOR PUBLICATION: TO PROVIDE QUICKER ENGINE WARMUP DURING COLD WEATHER OPERATIONS.
COMPLIANCE: AT OWNER'S DISCRETION.

NOTE

IF ANY PROBLEMS ARE ENCOUNTERED WHILE INSTALLING THIS CUSTOM KIT, CONTACT YOUR NEAREST ROCKWELL COMMANDER DEALER/DISTRIBUTOR OR YOUR ROCKWELL COMMANDER REGIONAL SERVICE MANAGER.

BY WHOM WORK WILL BE ACCOMPLISHED: A & P MECHANIC OR EQUIVALENT.

APPROVAL: FAA DOA SW-2 Approved.

ESTIMATED MAN HOURS: TWO (2) HOURS.

PARTS DATA: Parts required to comply with this Custom Kit may be purchased through your nearest Rockwell Commander Dealer/Distributor for \$27.25. Reference this Custom Kit, aircraft model and factory serial number when ordering Custom Kit No. CK-112-9 consisting of the following:

Price subject to change without notice

| QTY | PART NO. | DESCRIPTION | CODE NO. |
|-------|-------------------------|---------------------------|----------|
| 1 ea. | 49307-251 | Placard | |
| 1 ea. | 615075-9 | Clip Assy | |
| 1 ea. | 615075-11 | Cover Assy | |
| 1 ea. | 615075-13 | Cover Assy | |
| 3 ea. | A3135-017-1 | Washer | 1673490 |
| 4 ea. | AN960-8 | Washer | 1545000 |
| 3 ea. | MS24694-S6 | Screw | 2748364 |
| 4 ea. | MS35206-244 | Screw | 2894173 |
| 1 ea. | Supplement No. 3 | Pilots Operating Handbook | |
| 1 ea. | Custom Kit No. CK-112-9 | Instructions | |

SPECIAL TOOLS: HOLE FINDER

ACCOMPLISHMENT INSTRUCTIONS:

1. Open left and right cowl flaps.
2. Remove existing screw, just aft and inboard of right cowl flap, attaching lower cowling to cowling support and retain screw for later reinstallation (see Figure 1, View BB).
3. Loosen clamp attaching drain hose, just aft of right cowl flap, and pull hose out of the way to facilitate installation of 615075-11 cover assembly.
4. Locate 615075-11 cover assembly between cowling and cowling support (Figure 1, View BB) and position against firewall to dimensions shown (see Figure 1, Sheet 1 of 2).

VIEW LOOKING DOWN

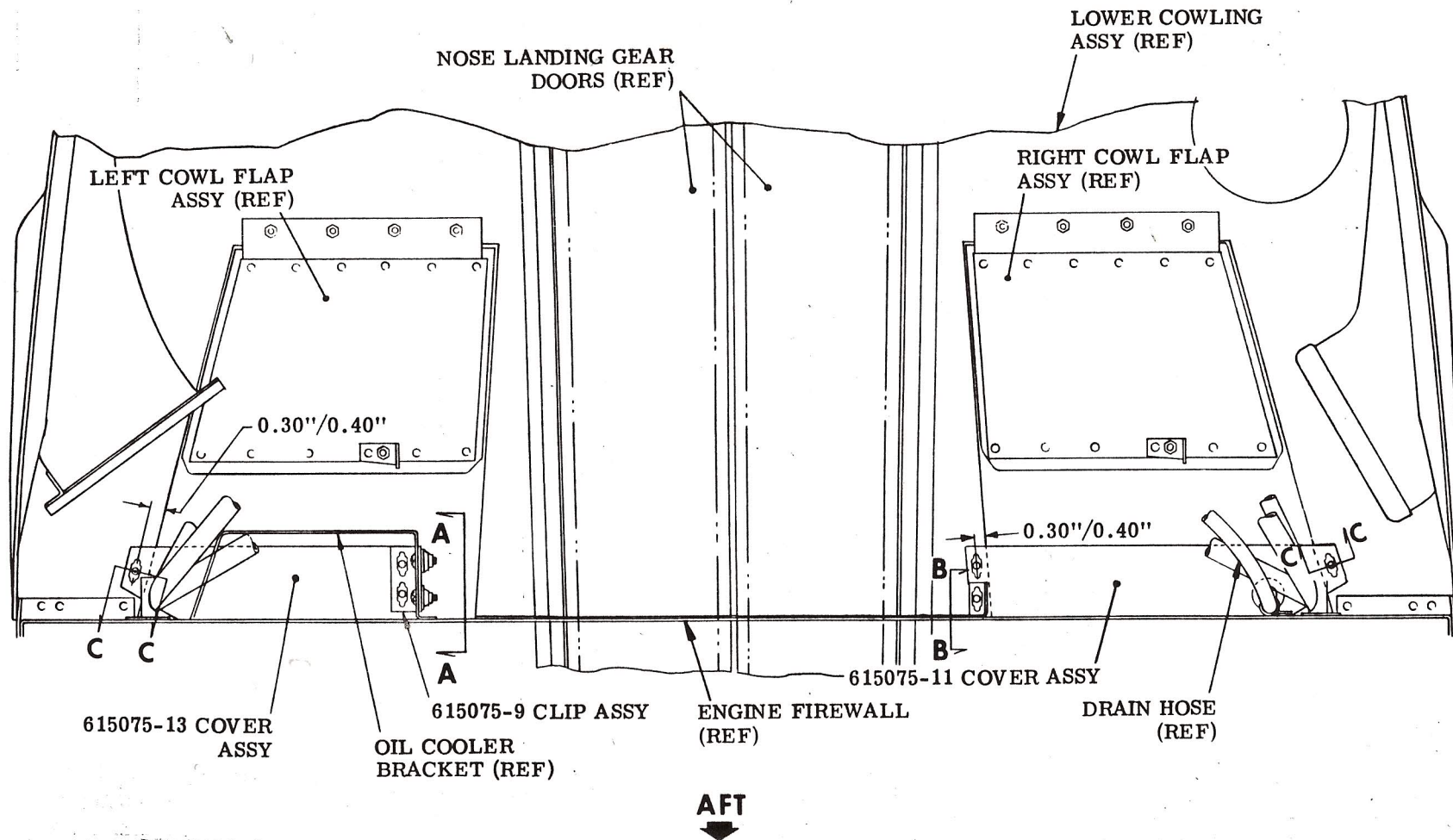


Figure 1. (Sheet 1 of 2)

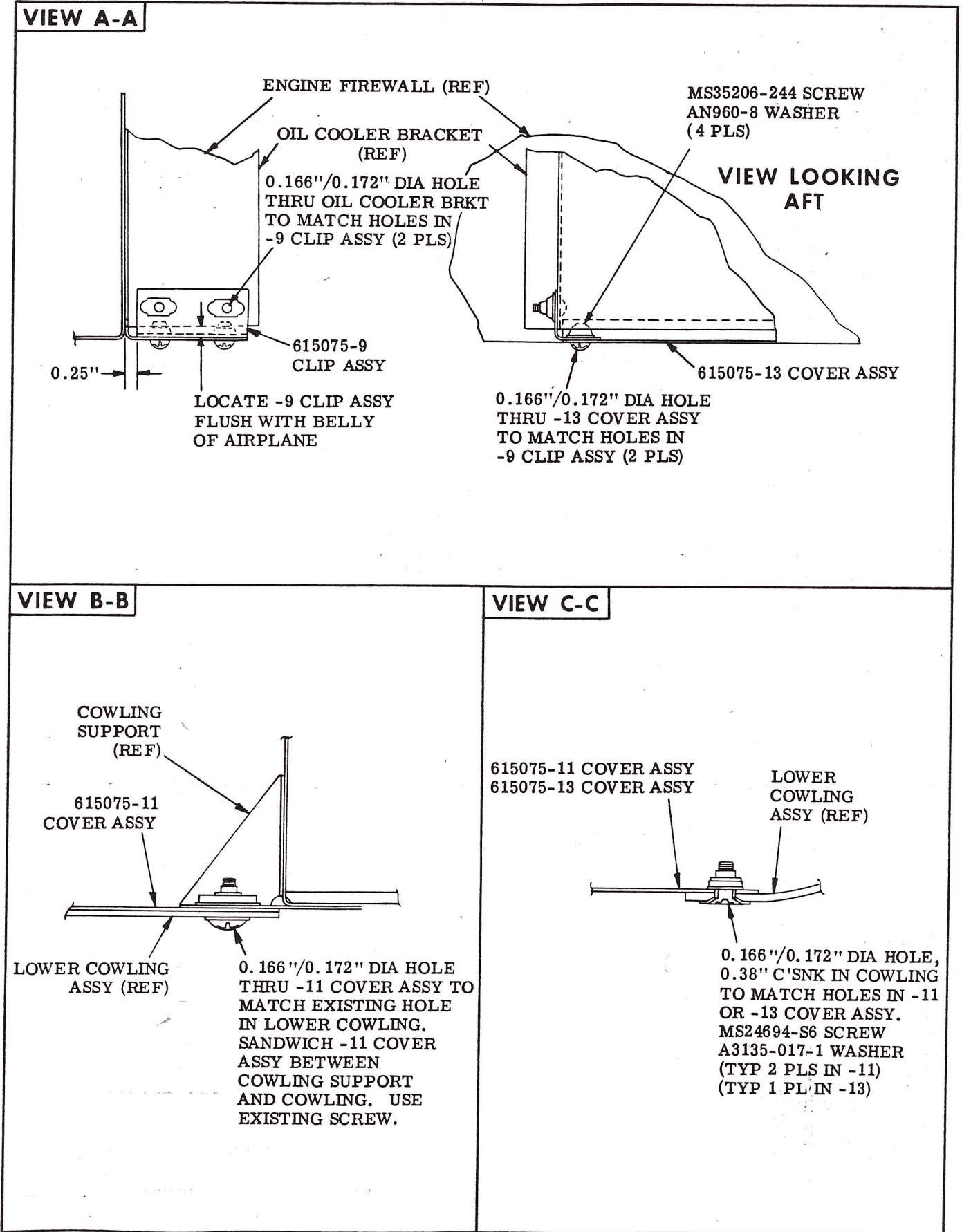


Figure 1. (Sheet 2 of 2)

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5. Back drill through existing hole in cowling and cowling support and install existing screw removed in step 2. (see Figure 1, View BB).
6. Using a hole finder, drill 0.169 (\pm 0.003) inch diameter hole (2 places) through lower cowling to match holes in 615075-11 cover assembly. Countersink holes in lower cowling to 0.38 inch diameter and install MS24694-S6 screw and A3135-017-1 washer (2 places) (see Figure 1, View CC).
7. Route drain hose through grommet in 615075-11 cover assembly (orient hose with scarf aft) and tighten clamp loosened in step 3.
8. Locate, drill and install 615075-9 clip assembly on oil cooler support bracket with MS35206-244 screw and AN960-8 washer (2 places) (see Figure 1, View AA).
9. Locate 615075-13 cover assembly against firewall to dimensions shown in Figure 1, Sheet 1 of 2.
10. Using a hole finder, drill a 0.169 (\pm 0.003) inch diameter hole through lower cowling to match outboard hole in 615075-13 cover assembly. Countersink hole in lower cowling to 0.38 inch diameter and install MS24694-S6 screw and A3135-017-1 washer (see Figure 1, View CC).
11. Using a hole finder, drill 0.169 (\pm 0.003) inch diameter hole (2 places) through inboard end of 615075-13 cover assembly to match holes in 615075-9 clip assembly and install MS35206-244 screw and AN960-8 washer (2 places) (see Figure 1, View AA).
12. Install 49307-251 placard on instrument false panel above the altimeter.
13. Insert Supplement No.3 in Model 112TCA Pilot's Operating Handbook.

ELECTRICAL LOAD: NO CHANGE.

WEIGHT AND BALANCE: The weight and balance change required by installation of this Custom Kit is as follows:

| WEIGHT (LBS) | H-ARM (INCHES) | H-MOMENT (IN-LBS) |
|--------------|----------------|-------------------|
| + .40 | 61.5 | + 24.6 |

PUBLICATIONS AFFECTED: The Airplane Maintenance Manual change required by this document will be incorporated at the next scheduled change/revision. The Pilot's Operating Handbook Supplement is furnished with this document.

RECORD COMPLIANCE: Make appropriate entry in airplane maintenance records as follows: Custom Kit No. CK-112-9, dated 15 June 1977, entitled "Winterization Kit", accomplished _____ (date) _____.