Title WINTERIZATION KIT

MODELS AFFECTED A185
SERIALS AFFECTED 185-0968 thru 185-1599
18501560 & on

PARTS LIST:

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CHANGE IN WEIGHT AND BALANCE:

| WEIGHT INCREASE | 1.3 pounds |
| ARM             | -28.0 inches |
| RESULTANT MOMENT | -36.0 pound-inches |
| INDEX           | 0.036 |

1. DESCRIPTION OF INSTALLATION.
   a. Installation of this kit consists of:
      (1) Installing insulation on engine breather line.
      (2) Installing removable covers over the openings in nose cap.
      (3) Affixing placards on winterization covers and instrument panel.

2. INSTALLATION INSTRUCTIONS.
   a. (Refer to figure 1.) Engine Breather Line Insulation.
      (1) Remove engine cowling.
Figure 1. Engine Breather Line Insulation.

(2) Remove existing clamps (6), disconnect rear hose from engine breather line (2) and forward hose from engine fitting.

(3) Slip tubes (3, 4, 5, 1, & 8) over engine breather line (2). Cement tubes (3 to 4), (4 to 5), (1 to 3) and (8 to 1) with EC1300(3M) cement or equivalent.

(4) Compress tube assembly (8) by slipping aft on breather line for access to reconnect clamp.

(5) Connect hoses and reinstall clamps.

(6) Slip bonded tubes (8, 1, 3, 4, & 5) in proper position.

(7) Reinstall cowling.

b. (Refer to figure 2.) Winterization Covers Installation.

(1) Place covers (1 & 5) in approximate position on nose cap. Inboard edge of covers should be approximately 4.25 inches from centerline of aircraft.

(2) Using covers as a guide, drill holes (3). Enlarge holes to #2 (.221) and cut notch in holes to match key on rivnuts (2).

(3) Install rivnuts (2) in holes (3).

(4) Secure covers on nose cap with screws (12).

(5) Remove air filter (11) from nose cap (6) by loosening fasteners (8).

**CAUTION**

Clean filter (11) in accordance with applicable Service Manual before continuing with cover installation.
Figure 2. Winterization Covers Installation.

1. 0700329-200 COVER ASSY 1 REQD
2. NAS1329A08K75 RIVNUT 16 REQD
3. #10 (.193) HOLE 16 REQD (ENLARGE TO #2 (.221) HOLE)
4. 1205043-1 (Serials 185-0968 & on) PLACARD 3 REQD
5. 0700329-5 COVER ASSY 1 REQD
6. S1021Z8-6 SCREW NAS395-12-3 NUT 4 EA REQD
7. FILTER (REF)
8. FASTENER (REF)
9. 0700313-74 COVER 1 REQD
10. 7/32 (.218) HOLE 4 REQD
11. AN515-8R2 SCREW 16 REQD
12. AIRCRAFT
(6) Position cover (9) on forward surface of filter, as shown, aligning the four cutouts to clear heads of fasteners (8). Clamp cover in this position.

(7) Mark and drill holes (10) in flange of filter (11) to match the four existing holes in the cover.

(8) Deburr the holes and install cover (9) on forward face of filter securing with screws and nuts (7).

(9) Install filter-cover assembly in nose cap and secure with fasteners (8).

NOTE

If covers are to be painted to match airplane, affix placards after painting.

(10) Affix placards (4) in approximate position shown.

c. (Refer to figure 3.) Placard Installation.

(1) Affix placard (4) just below other existing placards on right hand forward side panel in cabin per serials shown. Affix placard (2) on right hand instrument panel per serials as shown.

Figure 3. Placard Installation.