



American Aviation Corporation
318 Bishop Road Cleveland, Ohio 44143

SERVICE

Accessory Kit No. AK-102A
(Supersedes Accessory Kit No. AK-102)

DATE: *January 29 1971*
February 11 1970

TITLE: Winterization Kit

MODELS AFFECTED: AA1-0001 and up, AA1A-0001 and up

WEIGHT AND BALANCE CHANGE:
Weight Increase: .10 lbs.
Arm: 12.00 in.

SEL
AK-102A

Parts List

<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>
1	804033-1	Grille
1	804033-2	Grille
23	AES1021Z-6-6	Screw
23	A1181-6Z-1	Nut (Tinnerman)
1	803007-35	Placard
2	803007-36	Placard (Installed on Grille)
1	803007-37	Placard

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Description of Installation

1. Installation of Winterization Kit and related changes and hardware.
2. Estimated time to complete this installation is 1.0 man hour.

Installation Instructions

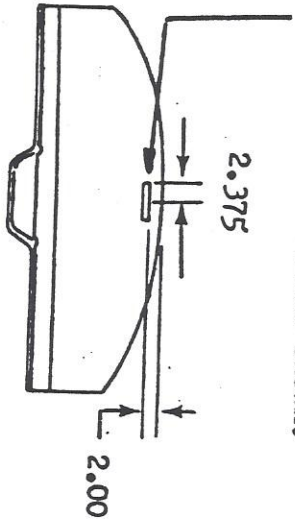
1. Install the winterization kit as instructed on figures 1 and 2.

Note: If not already installed, the Outside Air Temperature Gage Kit No. AK-106 must be installed.

2. Five extra screws (AES1021Z-6-6) and five Tinnerman nuts (A1181-6Z-1) are included in this kit for installation of the 502008-4 plate when the winterization kit is removed.

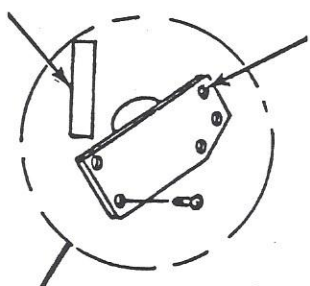
Changes: Added Serial Range AA1A-0001 and up. This kit also applicable to the Model AA-1A Trainer.

8. Locate the 803007-35 placard on the instrument panel. Use dimensions shown.

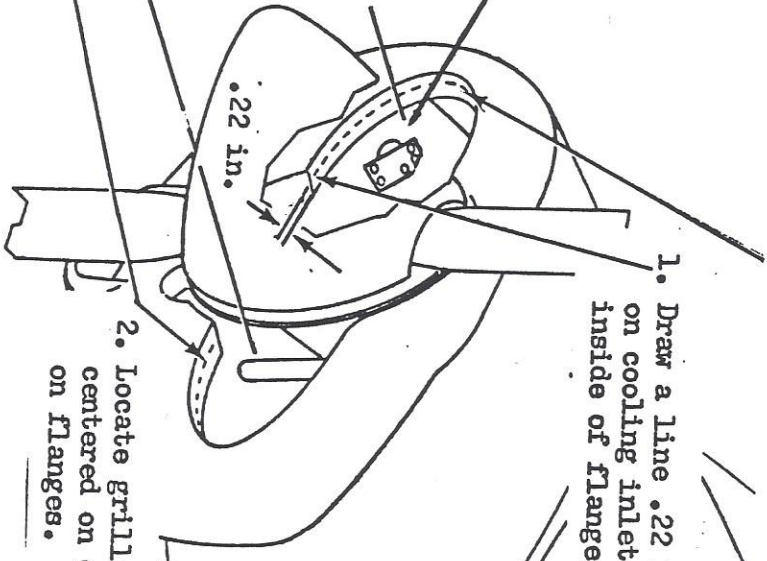


NOTE: CLEAN SURFACES THOROUGHLY WITH ISOPROPYL ALCOHOL PRIOR TO INSTALLING DECALS

5. Drill out the 5 rivets (using #30 drill) holding the 502008-4 plate. Do not deform holes.



3. Remove grilles and drill 18 holes .139-.142 dia. in the locations marked.



1. Draw a line .22 in. from the rear edge of flange on cooling inlet. Extend line completely around inside of flange.

4. Remove the upper and lower cowl.

9. Replace upper and lower cowl.

2. Locate grilles in the inlet with flange holes centered on drawn lines. Mark the hole locations on flanges.

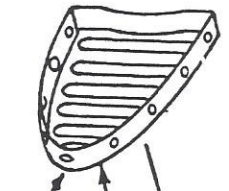
6. Locate the 803007-37 placard on baffle.

7. Install the grilles with (18) AES1021Z-6-6 screws and A1181-6Z-1 nuts

AES1021Z-6-6 Screw (18)

804033-2 Grille (1)

A1181-6Z-1 Nut (18)
(Zimmerman)



804033-1 Grille (1)

Figure 1. Winterization Kit Installation

BEFORE OPERATING AIRPLANE, IF O.A.T. EXCEEDS
+20°F, REMOVE WINTERIZATION GRILLES

803007-35 Flacard (1)

REMOVE IF O.A.T. EXCEEDS +20°F

803007-36 Flacard (2)

REINSTALL HEATER INLET
PLATE WHEN WINTERIZER
KIT IS REMOVED

803007-37 Flacard (1)

Figure 2. Flacards

To Remove The Winterizer Kit:

1. Remove the upper and lower cowl.
2. Remove (18) AES1021Z-6-6 screws and A1181-6Z-1 nuts holding the grilles in place.
3. Replace the 502008-4 plate on the baffle assembly using the (5) AES1021Z6-6 screws and A1181-6Z-1 nuts provided.
4. Replace the upper and lower cowl.

MEMORANDUM

DRJ
ES

Subject: AA-1 Series Winter Kit

From: E. Conditt

To: P. Seibert

Date: December 1, 1972

cc: B. Nelson
T. Collins
N. Steiner
B. Hummel

Until further advisement from Engineering, the winterizer kit is not approved for installation on AA-1 series aircraft which have the 10-3103-1 carburetor installed. The approval has been moved down the schedule due to other items of higher priority.

Due to the number of sales of this item over the last three years (approximately 25), it appears that this will not be an item of immediate concern.

EMC:az

E. M. Conditt
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