

F. Atlee Dodge Extended Baggage Kit

Description

The F. Atlee Dodge extended baggage compartment is located aft of the existing baggage area on all eligible models of PA-18 aircraft. This baggage compartment is approximately fourteen inches high, fifteen inches wide and thirty-five inches deep. The compartment volume is approximately 4.25 cubic feet and is rated for twenty pounds of baggage. The baggage is secured in the extended compartment by ¼ inch nylon cord that is attached to four 3/16-inch eye-bolts.

Model Eligibility

The installation of this extended baggage kit is limited to aircraft with fuselage structure equivalent to the PA-18 "150" at longitudinal station 99.0 (station 123.0 as measured from the firewall). Refer to the enclosed "INSTALLATION INSTRUCTIONS" drawing number 2103, dated 6/23/76 (page A-2). The aircraft structure in this area must have the additional 3/8 inch diameter cross tube and diagonal support tubes installed at longitudinal station 99.0. Aircraft with out this supporting structure, must be modified and approved prior to the installation of the F. Atlee Dodge extended baggage kit. This STC does not cover the aforementioned airframe modifications. A separate FAA approval is required for the installation of the cross tube and diagonal support tubes.

Instructions for Continued Airworthiness

Refer to Advisory Circular 43.13-1B/2A, "Acceptable Methods, Techniques, and Practices – Aircraft Inspection and Repair", Chapter 4, Section 4 "Metal Repair Procedures" for guidance on continued airworthiness of this modification.

This baggage compartment shall be inspected at every 100-Hour and Annual Inspection in accordance with 14 CFR Part 43, Appendix D, to ensure continued airworthiness.

A Pop Rivet Gun maybe required for maintenance and assembly.

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Date: 2/19/04
Revision: A

F. Atlee Dodge Extended Baggage Kit

NOTE: Some kits are shipped disassembled. Refer to drawing attachment A-1 for assembly instructions.

Installation Instructions

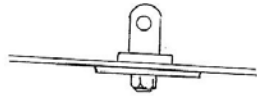
- 1) Remove the panel in the aft end of the baggage compartment, Piper P/N 14221-03 or P/N 13471-03
- 2) Remove the new panel from the extended baggage where it was temporarily installed.
- 3) Install six (6) each tinnerman nuts used for securing the panel, see item 7. It is required that two (2) additional #10 screws be added to the lower section of the panel.
- 4) Install the extended baggage assembly into aft section of the fuselage until the forward end of the baggage assembly is just aft of the end of the original baggage area. Push the slotted hangers over the 3/8 inch cross member and center between the upper longerons.
- 5) Position cutout at the end of the baggage over the diagonal tube.
- 6) Install the new panel and check the fit. It may be necessary to trim the outer edge of the panel to obtain a proper fit. Install the six (6) #10 PK screws.
- 7) Install 20 each, SB 4-2 rivets through the panel and extended baggage.
- 8) Install 1/4" Nylon cord for Tie downs.
- 9) Complete the aircraft weight and balance calculations. Add +5lbs at station 86.0 (110 inches aft of the aircraft firewall). NOTE: the maximum baggage compartment weight may not exceed 20 lbs. When loading this baggage compartment, refer to drawing number 2103, page A-2 for baggage compartment weight and balance station locations.
- 10) Complete an FAA Form 337.

Document Number: SA590IM
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Page 4 of 4

AIRCRAFT AFFECTED
PIPER PA-18-150

AN 42B EYE BOLT
AN 970-10 WASHER
AN 365-1032 NUT

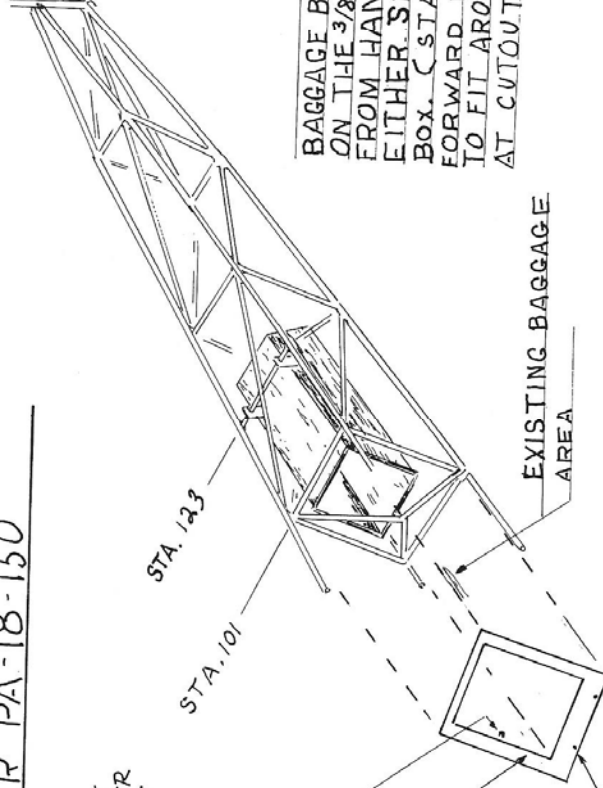


STA. 123

STA. 101

EYE BOLT AN42B
ONE EACH SIDE

REPLACES AFT
PANEL PIPER
P/N 14221-03

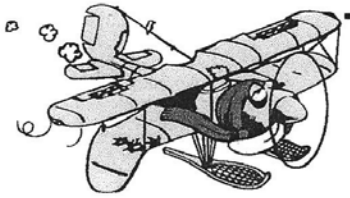


BAGGAGE BOX TO HANG
ON THE 3/8 CROSS TUBE
FROM HANGARS ON
EITHER SIDE OF BAGGAGE
BOX. (STA. 123)
FORWARD END OF BOX
TO FIT AROUND TUBING
AT CUTOUTS IN BOX.

EXISTING BAGGAGE
AREA

ADD 2 EA.
SB4-2 EVENLY
SPACED

INSTALLATION INSTRUCTIONS TO
INSTALL THE EXTENDED BAGGAGE IN PA-18
FATLEF DODGE
PO BOX 190409 DWG. NO. 2103
ANCHORAGE, AK. CHG
98319 Fatlefe SHEET 1 OF 2



F. Adlee Dodge Aircraft Services, LLC.

P O Box 190409 * Anchorage, Alaska 99519-0409
Phone: (907) 344-1755 * 1-877-33-ATLEE * Fax: (907) 344-6720

Date: 7/15/1985
Drawing No.: 2103
Sheet: 2 of 2
Revision: None

ASSEMBLY INSTRUCTIONS

- 1 All Panels have been pre-drilled and are ready for assembly.
- 2 Tools required are a pop rivet gun that will pull 1/8 and 5/32 rivets.
There are approximately 125 of 1/8 rivets and 6 of the 5/32 rivets included in your installation kit.
- 3 All flanges are on the outside.
- 4 It will be impossible to assembly incorrectly.
- 5 Do not install front panel at this time.
- 6 Refer to installation to complete the installation in the aircraft.
- 7 install sound deadner strip. (9ea.)

