



Power Systems

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Service Information Letter

The technical content of this letter is FAA Approved

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Improved Air Pressure Switch - P/N 94E42

INTRODUCTION:

Over the past several years, Kelly Aerospace JanAero (Janitrol) has noticed that the air pressure switch in the cabin heater, has been a source of continuing replacement. This switch controls the ignition and fuel shutoff should the combustion air be lost during heater operation. In many cases, the switch setting changes, either from age and use or from improper adjustment during during maintenance. In response to this condition, Kelly Aerospace JanAero (Janitrol) has designed an improved air pressure switch which will remove much of the extreme sensitivity from switch adjustment and improve operational durability. The replacement of this air pressure switch is highly recommended.

This Service Information Letter is intended to announce the availability of an improved air pressure switch, which when installed, will improve reliability of cabin heater operation.

COMPLIANCE:

At the discretion of the owner/operator or the facility performing maintenance any time access is made to the cabin heater or should any malfunction of the air pressure switch be diagnosed.

EFFECTIVITY:

Any aircraft or rotorcraft utilizing a Kelly Aerospace Power Systems JanAero (Janitrol) cabin heater which uses the P/N 94E42 air pressure switch (any dash number).

PROCEDURE:

1. In order to incorporate this product improvement, the mandatory requirement of JanAero Devices Service Bulletin A-103 Rev. A, February 1998 must have been accomplished.
2. If the decision has been made to remove the air pressure switch, (as a product improvement or due to other malady) gain access to the cabin heater assembly per the applicable aircraft or rotorcraft service manuals. Refer to the appropriate JanAero (Janitrol) maintenance and overhaul manual for your specific heater installation and model.
3. If replacing the air pressure switch as a product improvement, examine the switch body for an ink stamped part number which should be on the back side of the body. On the other side (switch end) look for the letter "K". If found, the product improvement has already been accomplished. See Figure 1 on page 2 of this Service Information Letter. *Note: Examination of Log Book entries may not reveal that this product improvement has been accomplished because the new air pressure switch carries the same JanAero (Janitrol) part number.*
4. Remove the air pressure switch and discard it. The switch should be destroyed to prevent the possibility of any re-use.
5. Install the new air pressure switch per the instructions found in Service Bulletin A-103 Rev. A and the Kelly Aerospace Power Systems JanAero heater maintenance and overhaul manual P/N 24E25-1.
6. Upon successful installation of this product improvement, make a logbook entry of compliance with this Service letter and of all other work associated with the installation of the new air pressure switch.

For questions concerning this product improvement please contact KAPS, JanAero Devices Service Dept. at 334-227-8306. Contact your local KAPS distributor to purchase this service part.

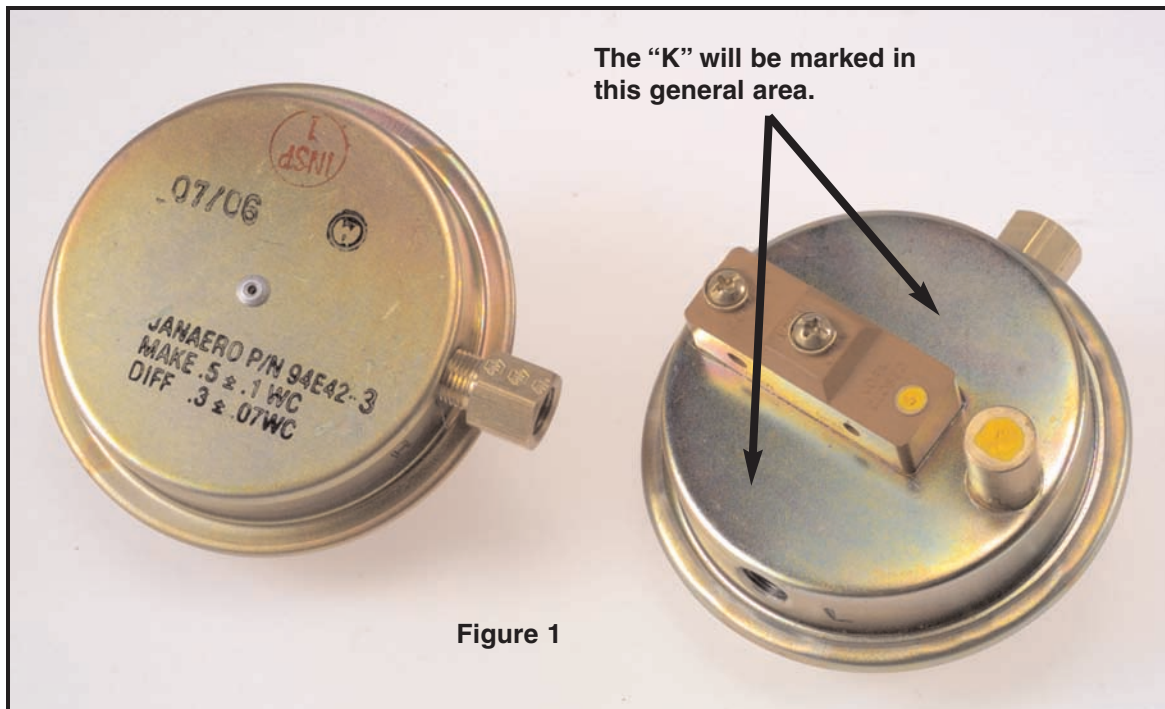


Figure 1

MATERIAL REQUIRED:

One (1) each, 94E42-() air pressure switch. Determine the applicable dash number by referring to the appropriate parts list for the cabin heater installed or identifying the switch installed. Table 1 below will cross reference the no longer available 42D36 series air pressure switch to the new 94E42 part number. Use of the 42D36 series air pressure is not recommended and should be replaced per KAPS Service Bulletin A-103A.

Table 1

Old Switch P/N	New Switch P/N
42D36	94E42-1
A42D36	94E42-2
B42D36	94E42-3
C42D36	94E42-4
E42D36	94E42-6
F42D36	Obsolete see L42D36
G42D36	94E42-7
H42D36	94E42-8
J42D36	94E42-9
K42D36	94E42-10
L42D36	94E42-11
M42D36	94E42-12