



SERVICE BULLETIN

No. 722

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

Modification FAA Approved

April 16, 1982

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Subject:

Avionics Cooling Fan Inspection/Replacement

Models Affected:

PA-31T Cheyenne/Cheyenne II

PA-31T1 Cheyenne I

Serial Numbers Affected:

31T-7920079, 31T-8020015, 31T-8020018,
31T-8020057, 31T-8020068, 31T-8020072,
31T-8020081, 31T-8020082, 31T-8120028,
31T-8120031, 31T-8120034, 31T-8120042,
31T-8120044, 31T-8120054, 31T-8120059,

31T-8004001 through 31T-8004003,
31T-8004005 through 31T-8004011,
31T-8004013, 31T-8004015 through 31T-8004018,
31T-8004020 through 31T-8004023,
31T-8004025 through 31T-8004031,
31T-8004033 through 31T-8004035,
31T-8004038 through 31T-8004046,
31T-8004048 through 31T-8004051,
31T-8004053 through 31T-8004057,
31T-8104002 through 31T-8104006,
31T-8104008 through 31T-8104014,
31T-8104018, 31T-8104023, 31T-8104024,
31T-8104028 through 31T-8104032, 31T-8104034,
31T-8104036 through 31T-8104039,
31T-8104041 through 31T-8104043, 31T-8104045,
31T-8104047 through 31T-8104053,
31T-8104055 through 31T-8104058,
31T-8104060 through 31T-8104065,
31T-8104067, 31T-8104069 and 31T-8104070

Compliance Time: Within the next one hundred (100) hours of operation or at the next scheduled maintenance event, whichever occurs first.

Purpose: Field reports indicate that certain avionics cooling fans installed in the above listed aircraft could fail, resulting in smoke in the cockpit and partial loss of avionics cooling.

This Service Release provides instructions for identification of susceptible fans and for the replacement of those units.

(over)

Instructions:

1. Remove the lamp hood assemblies from the post lights above the ITT gauges.
2. Loosen the large mounting screws of each ITT gauge, and remove the gauges from the panel.
3. Looking through one of the ITT gauge mounting holes, shine a light through the other and check to see what kind of avionics cooling fan is installed.
4. If inspection reveals a Bendix cooling fan, Piper Part Number 08557-02 or 03, (See Sketch "A"), the installation is satisfactory. Reinstall the gauges and lamp hoods and make appropriate logbook entry of compliance.
5. If inspection reveals a Rotron avionics cooling fan, Piper Part Number 09778-02 or 03, (as shown in Sketch "B"), replace the fan with Avionics Cooling Fan Replacement Kit 764 375.
6. Make appropriate logbook entry of compliance.

Material Required: If required by Instruction No. 5, above, one (1) Avionics Cooling Fan Replacement Kit 764 375 per affected aircraft.

Availability of Parts: Your Piper Field Service Facility.

Effectivity Date: This Service Bulletin is effective upon receipt.

Summary: Please contact your Piper Field Service Facility to arrange for compliance with the provisions of this Service Release in accordance with the Compliance Time, above.

Any applicable factory participation related to this Service Release remains in effect for a period of time not to exceed 180 days from the date of this release.

Left Radio Support Bracket (REF.)

INBOARD →

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A ←

Bendix Fan

A ←

Left Radio Support
Bracket (REF.)

BENDIX FAN INSTALLATION
(View looking forward)

FORWARD →

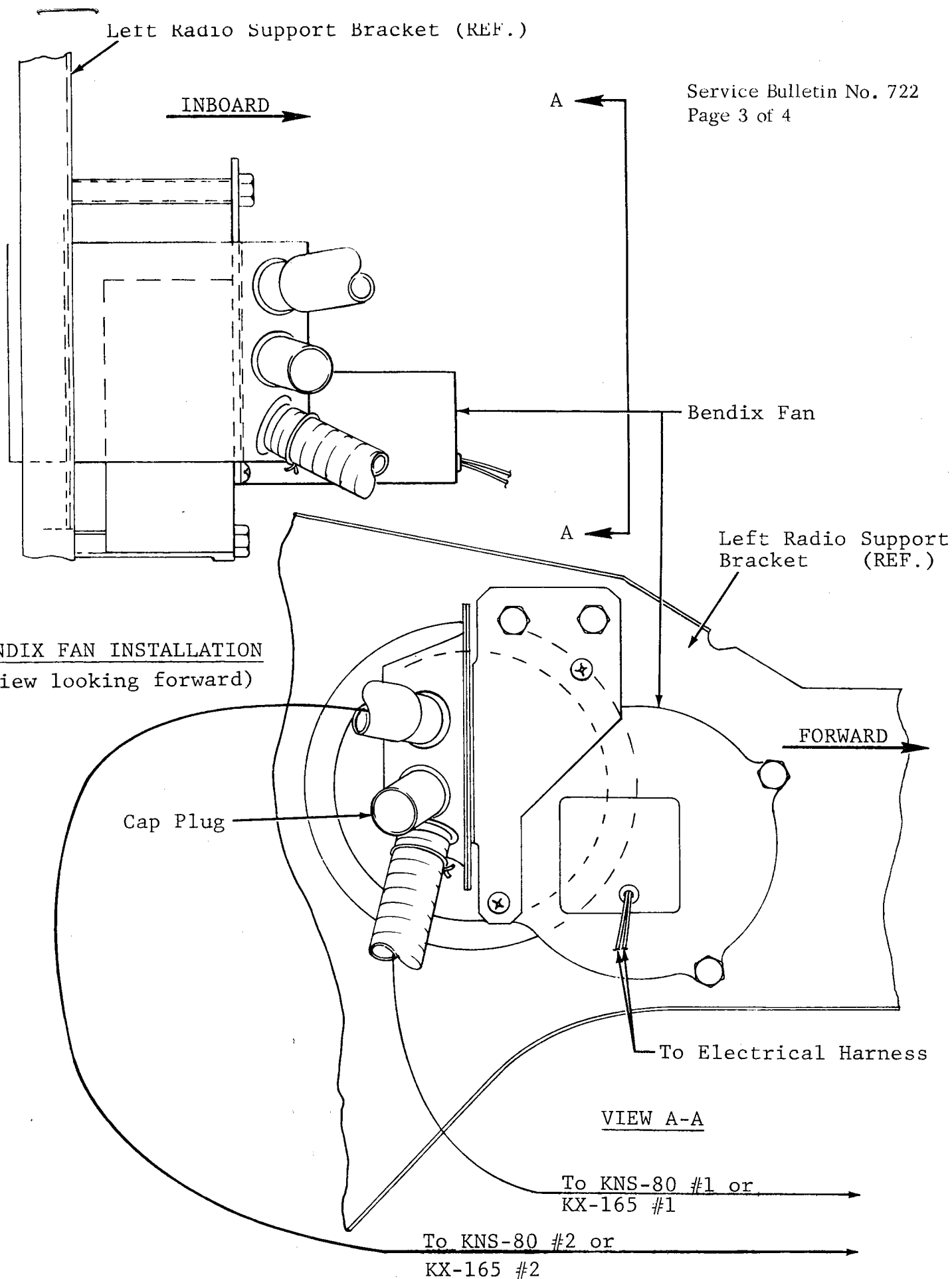
Cap Plug

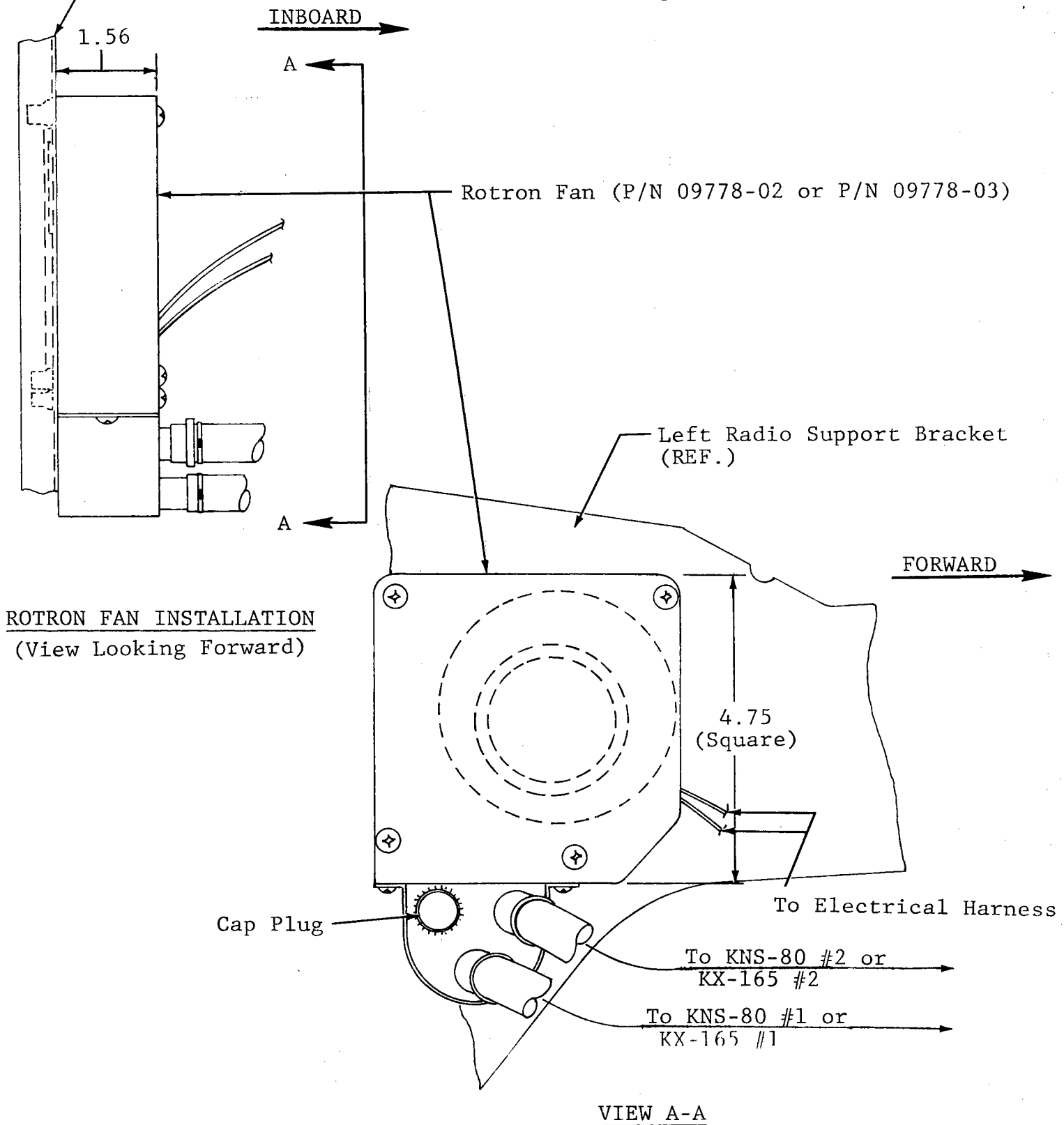
To Electrical Harness

VIEW A-A

To KNS-80 #1 or
KX-165 #1

To KNS-80 #2 or
KX-165 #2





ROTRON FAN INSTALLATION
(View Looking Forward)