



SERVICE BULLETIN

No. 440

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"FAA DOA EA-1 Approved"

December 17, 1974

Subject: Cheyenne Refinement Modifications

Models Affected: PA-31T Cheyenne

Serial Numbers Affected: Refer to individual sections, below.

Compliance Time: At the next Programmed Inspection Event, not to exceed the next fifty (50) hours of operation.

SECTION I

Subject: Wing Flap Selector Switch Replacement

Serial Numbers Affected: 31T-7400002 to 31T-7400007 incl.

Purpose: To provide a new replacement Flap Selector Switch for the above referenced aircraft as a product refinement feature to establish better component reliability and to improve ease of maintenance.

Instructions: Replace existing flap control switch assembly with new Flap Selector Switch Assembly, Piper part number 51838-02.

Material Required: One (1) each per aircraft Flap Selector Switch Assembly, Piper part number 51838-02.

Availability of Parts: Being forwarded under separate cover to affected CORPAC's on an automatic factory distribution, no charge basis.

SECTION II

Subject: Propeller Control Rod Replacement

Serial Numbers Affected: 31T-7400002 to 31T-7520008 incl.

Purpose: A recent product condition report described disengagement of the Propeller Control Cable from the attaching Propeller Control Rod.

This service release provides material and instructions to replace the existing Propeller Control Rods with new Propeller Control Rods featuring an improved method of attachment.

Instructions: Contained in Piper kit number 760 915, Propeller Control Rod Replacement.

Material Required: One (1) each per aircraft Piper kit number 760 915, Propeller Control Rod Replacement.

Availability of Parts: Being forwarded under separate cover to affected CORPAC's on an automatic factory distribution, no charge basis.

SECTION III

Subject: Airconditioning System Condensor Blower Motor Relay Replacement

Serial Numbers Affected: 31T-7400002 to 31T-7520003 incl.

Purpose: The existing condensor blower motor relay, located behind the right engine firewall, is subject to corrosion caused by exposure of the relay to moisture.

This service release provides material and instructions to replace the existing Condensor Blower Motor Relay, Piper part number 484 249, with a new sealed relay assembly, designed to preclude internal contamination by moisture or other foreign elements.

Instructions: Contained in Condensor Blower Motor Relay Replacement Kit, Piper part number 760 916.

Material Required: One (1) each per aircraft Piper kit number 760 916, Condensor Blower Motor Relay Replacement.

Availability of Parts: Being forwarded under separate cover to affected CORPAC's on an automatic factory distribution, no charge basis.

SECTION IV

Subject: Beta Switch Mounting Modification

Serial Numbers Affected: 31T-7400002 to 31T-7520008 incl.

Purpose: To provide material and instructions to modify the Beta (propeller blade angle sensor) Switch Assembly to insure mounting security.

Instructions: Contained in Beta Switch Mounting Modification Kit, Piper part number 760 917.

Material Required: One (1) each per aircraft Beta Switch Mounting Modification Kit, Piper part number 760 917.

Availability of Parts:

Being forwarded under separate cover to affected CORPAC's on an automatic factory distribution, no charge basis.

SECTION V

Subject:

Turn and Bank Indicator Air Supply Modification

Serial Numbers Affected:

31T-7400002 to 31T-7520002 incl.

Purpose:

There has been a report received involving failure of the pilot's (vacuum-operated) turn and bank indicator possibly due to a restricted ejector exhaust tube.

This service release provides material and instructions to modify the Pilot's Turn and Bank Indicator Air Supply System by adding a hole in the Ejector Exhaust Tube and installation of a check valve to prevent inadvertant pressurization of the system.

Instructions:

Contained in kit number 760 918, Vacuum System Modification Kit.

Material Required:

One (1) each per aircraft Vacuum System Modification Kit, Piper part number 760 918.

Availability of Parts:

Being forwarded under separate cover to affected CORPAC's on an automatic factory distribution, no charge basis.

Effectivity Date:

This Service Release is effective upon receipt.

Summary:

Please contact your Piper Field Service Facility to make arrangements for compliance with this Service Release in accordance with Compliance Time, above. Material and labor is being provided by the factory for aircraft modified through your Piper Field Service Facility.

A Service Publication Compliance Form is enclosed with each copy of this service release mailed to affected owners of record; this form is to be filled out according to instructions on the form reverse side and left with the Piper Field Service Facility performing the modification.