



# SERVICE LETTER

No. 654

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

April 18, 1973 M

Subject:

Heater Control System Modification

Models Affected:

PA-31-350 Navajo Chieftain

Serial Numbers Affected:

See Instructions, below.

Compliance Time:

Recommended at the next 100-hour inspection or annual inspection, whichever occurs first.

Purpose:

To provide material and instructions to insure proper operation of the heater control system on the above referenced aircraft.

The modifications specified herein may be described as product improvement items, and involve (1) repositioning of certain heater air inlet control components and placarding the "heater air inlet--open" control lever and (2) repositioning the heater air inlet valve assembly; refer to attached sketches "A" and "B", respectively.

Instructions:

1. Aircraft Serial Nos. 31-5001 to 31-7305006 incl. and 31-7305008 to 31-7305013 incl.; modify cabin air control and heater air inlet valve per attached sketches "A" and "B".
2. Reference attached sketch "A", Item No. 5; install heater control panel placard (Part No. SK-2312) on aircraft serial numbers specified above and aircraft Serial Nos. 31-7305014 and 31-7305016.

Material Required:

Refer to attached sketch "A":

1. Two each per aircraft MS20470AD3-4 rivets or pop rivets, whichever is desired;
2. One each per aircraft Heater Control Placard, Piper Part No. SK-2312.

Availability of Parts:

Reference Material Required, above:

1. Obtain the desired rivets locally.

(over)

Availability of Parts: (continued)

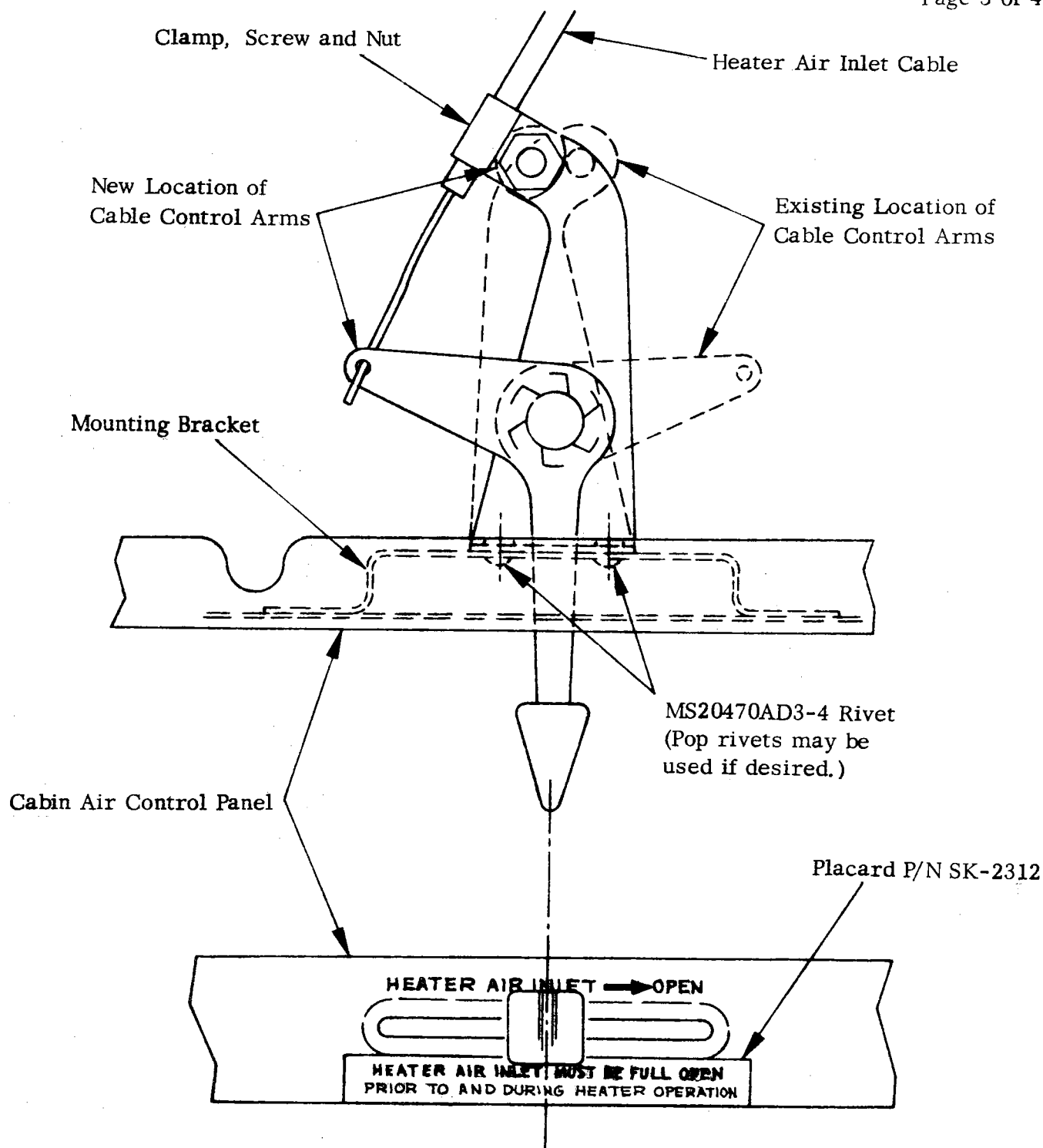
2. Placards are being issued on automatic factory distribution no charge basis to Piper distributors maintaining affected aircraft in their area.

Effectivity Date:

This Service Letter is effective April 30, 1973.

Summary:

Please contact your Piper Dealer to make arrangements for compliance with this service release. Modification material referred to in this service release and one and one-half hours per aircraft labor is provided by your Piper Dealer, as long as this modification is accomplished by a Piper Dealer.



### INSTRUCTIONS

1. Remove heater air inlet cable from control arm.
2. Remove two rivets that attach the control arm assembly to the mounting bracket.
3. Position the arm assembly on the mounting bracket as shown above, and attach with two rivets.
4. Attach the cable to the arm and secure in place using existing clamp, screw and nut.
5. Install placard P/N SK-2312 on the face of the cabin air control panel as shown above.

Existing mounting location of  
heater air inlet valve assembly

Heater Assembly

Heater Air Inlet  
Valve Assembly

Existing Swivel Fitting

Heater Air Inlet Cable

New mounting location  
of heater air inlet  
valve assembly

Drill .166 hole  
in stringer

1.75

.31

SECTION A-A

Sta.  
28.62

Clamp control cable to  
stringer using existing  
clamp, screw and nut  
removed from valve  
assembly.

### INSTRUCTIONS

1. Loosen swivel fitting and remove heater air inlet cable from heater air inlet valve.
2. Remove two screws that attach the valve assembly to the heater.
3. Position the valve assembly as shown above, and attach to heater with existing screws and washers.
4. Locate and drill .166 hole in stringer for clamp attachment.
5. Connect end of cable to valve assembly and clamp to stringer as shown above.
6. Check operation of valve assembly. Adjust cable as required.

SKETCH "B"