**SERVICE BULLETIN**

SB No.

114

Issue No.

1

## TITLE

INSPECTION OF KING KT76A TRANSPONDERS

## CLASSIFICATION

This Service Bulletin has been classified Recommended by SAL to conform with Bendix/King SB KT76A-7

## COMPLIANCE

Before 1st July 1997

**APPLICABILITY:**

All T67 Series Aircraft fitted with KT76A ATC Transponders.

Find attached Bendix/King Service Bulletin No. KT76A-7 which is reprinted in its entirety.

Any further information or components required to comply with this Bulletin should be obtained direct from Bendix/King.

**ISSUED**  
**23 SEP 1996**

ISSUED BY:



Date 23-9-96

for and on behalf of **SLINGSBY AVIATION LIMITED**  
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# ***BENDIX/KING® Service Bulletin***

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**BULLETIN NO:** SB KT 76A-7  
KT 76A ATC Transponder

## **EFFECTIVITY**

KT 76A P/N 066-1062-00/10/02, serial numbers from 93,000 to 109,999.

Units with serial numbers above those stated have Mod 7 incorporated during original manufacturing. Some units between S/N 93,000 and S/N 109,999 may already have Mod 7 installed.

## **REASON**

Silver migration on the substrate of a resistor network causes two problems. 1. The phenomenon creates low impedance paths between adjacent resistors in the network, causing the unit to incorrectly interpret the output of the encoding altimeter. 2. This condition can also cause the unit to transmit a code other than what is set in the transponder.

## **DESCRIPTION**

This modification consists of replacing two resistor network modules, RM401 and RM402, with new glass-coated parts.

## **COMPLIANCE**

Required to be completed by July 1, 1997.

## **WARRANTY INFORMATION**

Warranty credit or payment will be issued for any KT 76A, serial numbers 93,000 to 109,999 requiring this modification if the modification is completed by an appropriately rated BENDIX/KING Service Center. A properly completed warranty claim for 2 1/2 (two and a half) hours labor plus parts may be submitted. (This time includes aircraft transponder system recertification labor.) In order to insure warranty payment, the claim must be marked to show that Mod 7 was performed.

## **APPROVAL**

This modification does not affect the original approval.

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## **MANPOWER**

Two and a half hours labor including testing.

## **REFERENCES**

KT 76A Maintenance/Overhaul Manual, P/N 006-05143-0005.

## **MODIFICATION PROCEDURE**

1. Remove main board cover, and access the main board per the disassembly procedure contained in 5.3.4 of the maintenance manual.
2. Remove and discard old RM401 and RM402 from the main board.
3. Install new RM401 and RM402, P/N 015-00045-001, in the locations of the original parts.
4. Reassemble unit and reinstall covers.

## **IDENTIFICATION PROCEDURE**

Stamp an "X" on the mod status tag to indicate that Mod 7 is complete.

## **TESTING PROCEDURE**

Perform a complete functional test of the unit in accordance with Section V of the maintenance manual.

## **MATERIAL INFORMATION**

All parts necessary to modify one KT 76A per this Service Bulletin are listed below:

<b><u>Part Number</u></b>	<b><u>Qty</u></b>	<b><u>Description</u></b>
015-00045-0001	2	15 pin resistor capacitor

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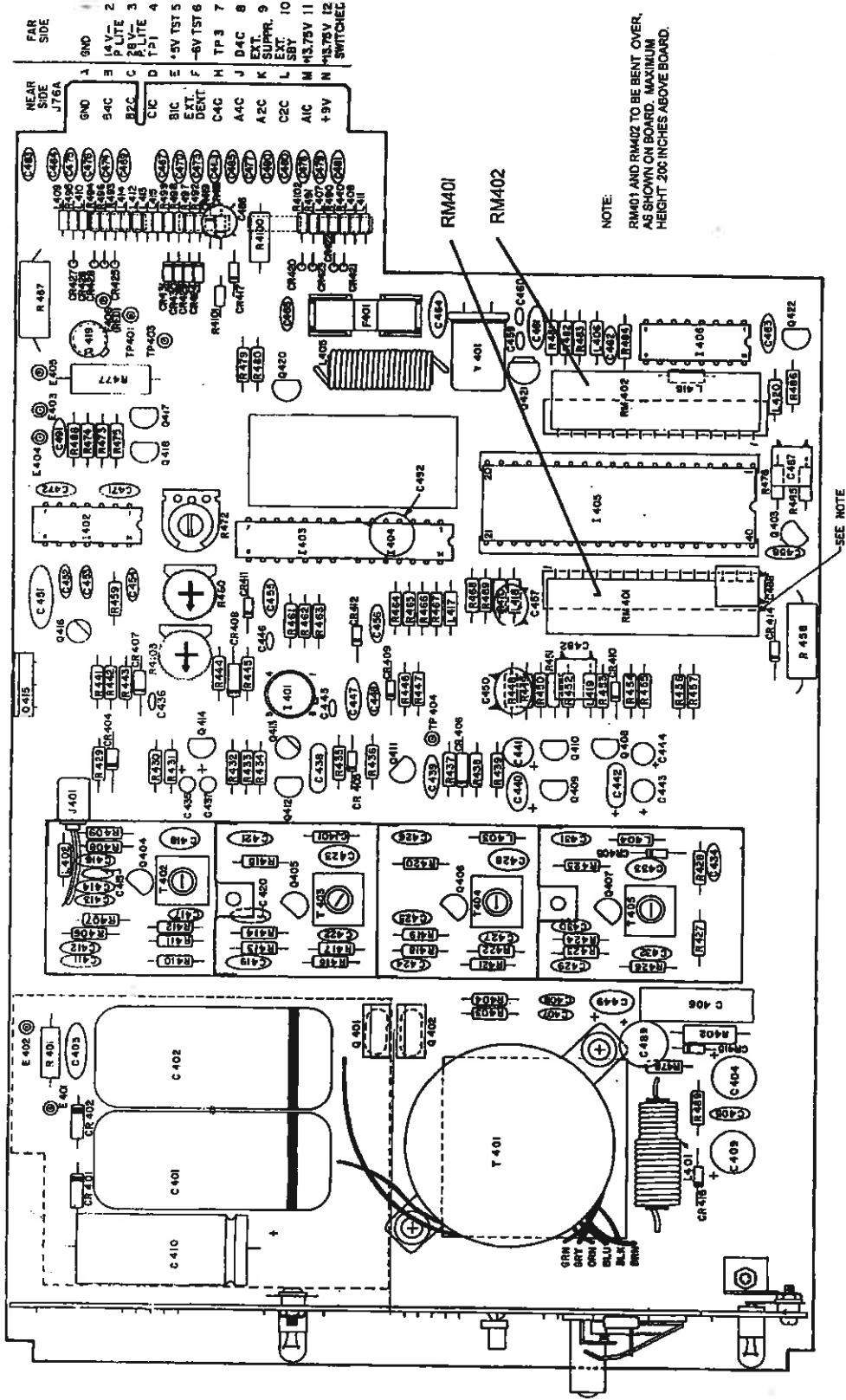


Figure 1  
KT 76A Main Board  
300-05824-0040 Rev-8